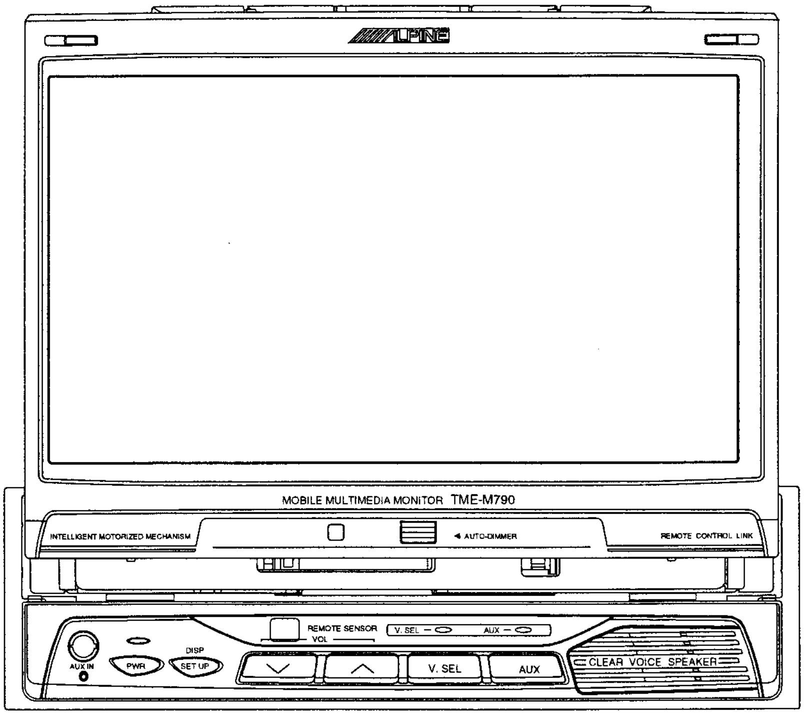
ALPINE

SERVICE MANUAL

7-inch Mobile Multimedia Monitor

Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.



ALPINE
MOBILE MULTIMEDIA MONITOR TME-M790
INTELLIGENT MOTORIZED MECHANISM
◄ AUTO-DIMMER
REMOTE CONTROL LINK
REMOTE SENSOR
VOL
V. SEL
AUX
AUX IN
PWR
DISP
SET UP
V. SEL
AUX
CLEAR VOICE SPEAKER

TME-M790

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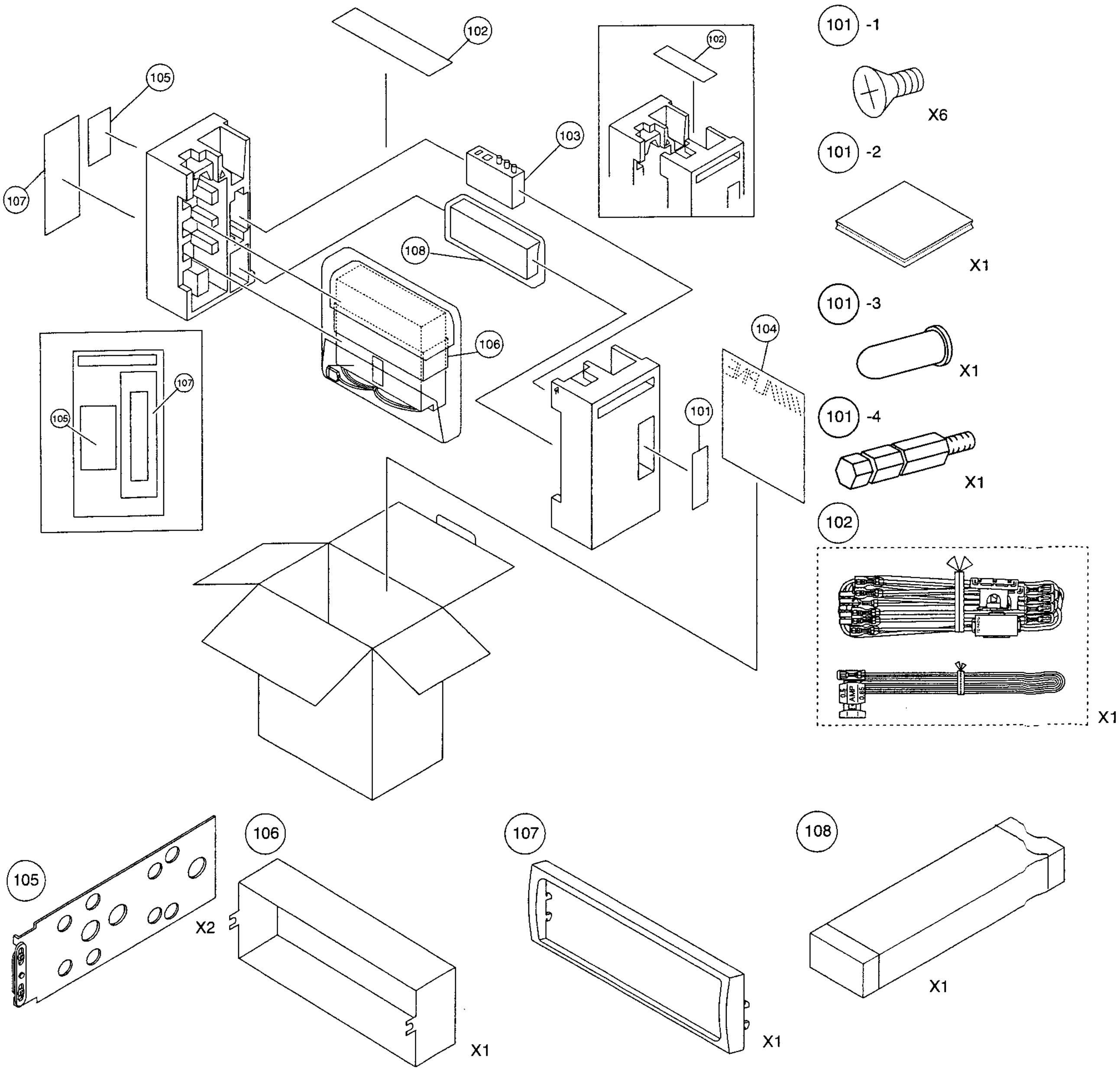
NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03A31982Y01	SCR,M4 FLAT
101-2	75A71391W07	TAPE,MAGIC
101-3	36A11113W01	CAP,RUBBER(A)
101-4	03A11112W01	BOLT,HEX.M5(A)
102	01T25670Y07	ASSY,PWR RDM720GO
103	01T35111Y02	ASSY,RZT720JO B.BOX

Symbol No.	Part No.	Description
104	68P30540Y56	O/M AOEU
105	07T75070W01	BKT,STOPPER ASSY
106	15D80814F01	CASE,INNER
107	33C30232Y03	FACE,PLATE
108	15C40487Y01	COVER,NOSE

Packing Method View


102
105
107
103
108
106
104
101
101 -1
X6
101 -2
X1
101 -3
X1
101 -4
X1
102
X1
105
X2
106
X1
107
X1
108
X1

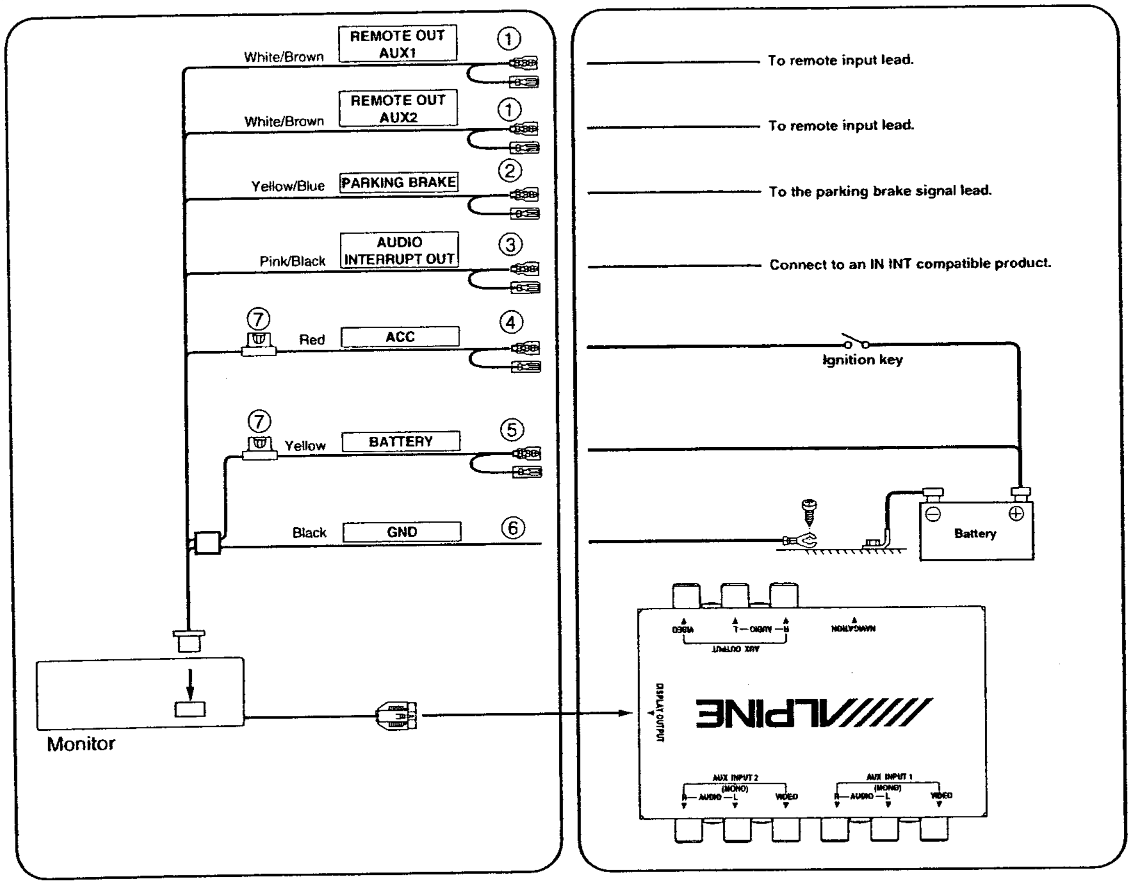
Specifications

Current Consumption	1.6A
Current Dark	5mA
Power Supply	DC14.4V (10 to 16V allowable)
Dimension (W×H×D)	178×50×165mm
Weight	2kg

NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

System Connections

Connections


White/Brown
REMOTE OUT AUX1
①
To remote input lead.
White/Brown
REMOTE OUT AUX2
①
To remote input lead.
Yellow/Blue
PARKING BRAKE
②
To the parking brake signal lead.
Pink/Black
AUDIO INTERRUPT OUT
③
Connect to an IN INT compatible product.
⑦
Red
ACC
④
Ignition key
⑦
Yellow
BATTERY
⑤
Black
GND
⑥
Battery
Monitor
ALPINE
AUX INPUT 2
AUX INPUT 1

① **Remote Control Output Lead (White/Brown)**
Connect this lead to the remote control input lead. This lead outputs the controlling signals from the remote control.

② **Parking Brake Lead (Yellow/Blue)**
Connect this lead to the power supply side of the parking brake switch to transmit the parking brake status signals to the TME-M790.

③ **Audio Interrupt Out Lead (Pink/Black)**

④ **Switched Power Lead (ACC) (Red)**
Connect this lead to an open terminal on the vehicle's fuse box or another unused power source which provides (+) 12V only when the ignition is turned on or in the accessory position.

⑤ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.

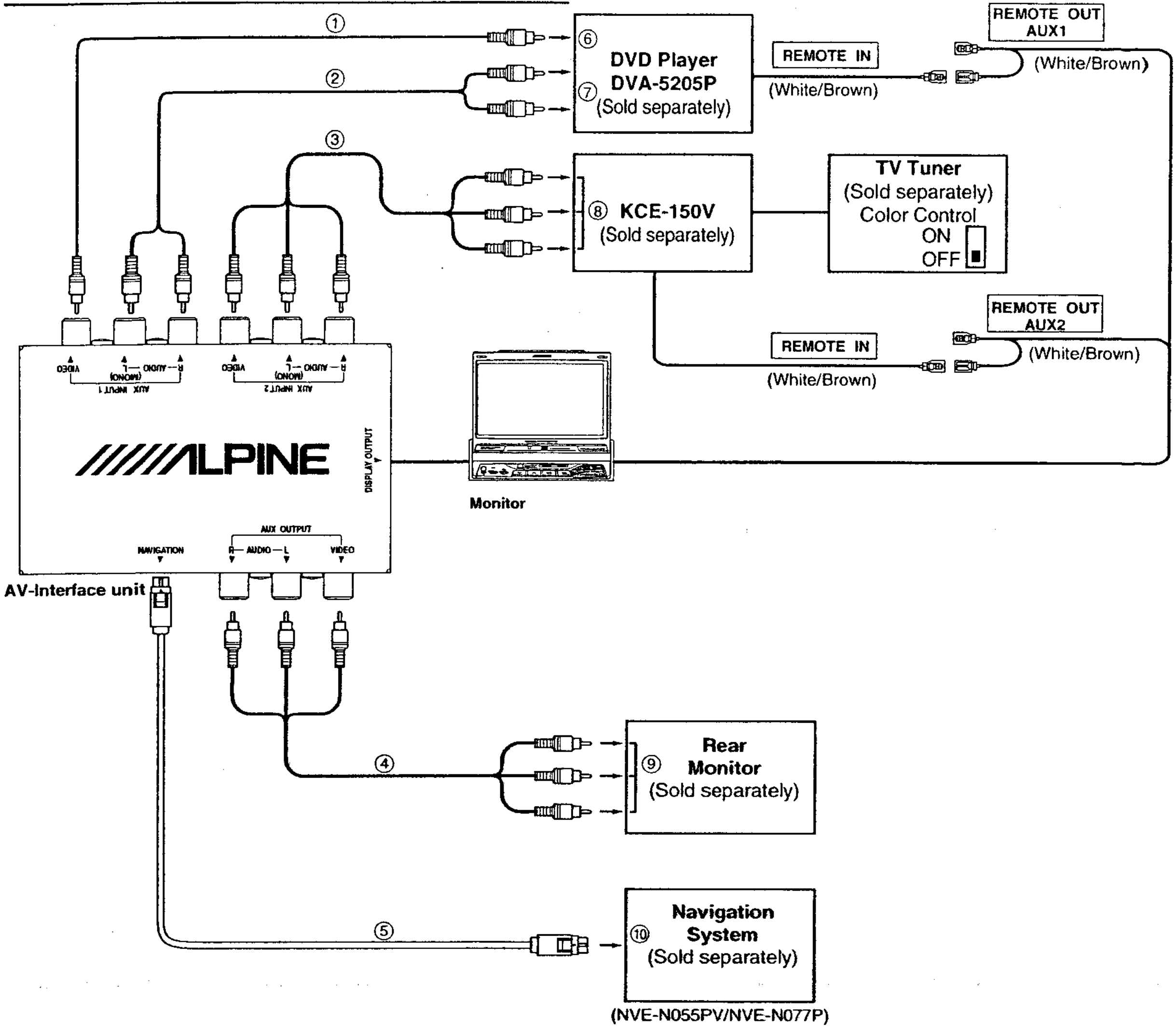
⑥ **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle. Make sure the connection is made to bare metal and is securely fastened using the sheet metal screw provided.

⑦ **Fuse Holder (5A)**

To prevent external noise from entering the audio system.

- Locate the unit and route the leads at least 10cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely to a bare metal spot (remove the coating if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine dealer carries various Alpine noise suppressors, contact them for further information.
- Your Alpine dealer knows best about noise prevention measures so consult your dealer for further information.

System Connections


①
②
③
④
⑤
⑥
⑦
DVD Player
DVA-5205P
(Sold separately)
REMOTE IN
(White/Brown)
REMOTE OUT
AUX1
(White/Brown)
⑧ KCE-150V
(Sold separately)
TV Tuner
(Sold separately)
Color Control
ON
OFF
REMOTE OUT
AUX2
REMOTE IN
(White/Brown)
(White/Brown)
VIDEO
R—AUDIO—L
(MONO)
AUX INPUT 1
VIDEO
R—AUDIO—L
(MONO)
AUX INPUT 2
ALPINE
DISPLAY OUTPUT
Monitor
AUX OUTPUT
NAVIGATION
R—AUDIO—L
VIDEO
AV-Interface unit
⑨ Rear Monitor
(Sold separately)
⑩ Navigation System
(Sold separately)
(NVE-N055PV/NVE-N077P)

① **RCA Extension Cable (Included with DVD Player)**
② **RCA Extension Cable (Option)**
③ **RCA Extension Cable (Included with KCE-150V)**
④ **RCA Extension Cable (Option)**
⑤ **RGB Cable (Included with Navigation)**
⑥ **Video Output Connector**

Connect the AUX INPUT 1, Video Input Terminal on the TME-M790 to the Video Output Connector on the DVD player.

⑦ **Audio Output Connector**

Connect the AUX INPUT 1, Audio Input Terminal on the TME-M790 to the Audio Output Connector (L/R) on the DVD player.

⑧ **Video Output Terminal**

Connect the AUX INPUT 2 Terminal on the TME-M790 to the Video Output Terminal.

⑨ **AUX Input Terminal**

Connect the AUX OUTPUT Terminal on the TME-M790 to the AUX Input Terminal.

⑩ **RGB Output Connector**

Connect the NAVIGATION RGB Connector on the TME-M790 to the RGB Output Connector on the navigation system.

NOTES

- *When this product is used in combination with a separately sold Ai-NET-PIN connection cord (KCA-121B), the sound can be output to a head unit equipped with an external input. For details, refer to the head unit's operating instructions.*
- *When the NVE-N055PS is connected for the Navigation System, use the RGB conversion cable KCE-030N (sold separately).*
- *When the NVE-N055PV navigation system and rear monitor are connected, set the NTSC/RGB selector switch on the NVE-N055PV's connector box to the NTSC side. After doing so, turn the NVE-N055PV's power off then back on, or the proper image will not be displayed on the rear monitor.*

Adjustment Procedures

1. LCD bright and black spot specifications

<Testing conditions>

Look at the LCD from a distance 35cm.

(1) LCD bright spot specifications

Display conditions	No. allowable
Black screen	Total of up to three red or green spots

※ Bright spot : Level visible with 5% ND filter.

※ Spot size : 1 spot = 1 pixel

(2) LCD black spot specifications

Display conditions	No. allowable
Black screen ••• Bright spos White screen ••• Black spots	Total of up 14 spots including bright spots

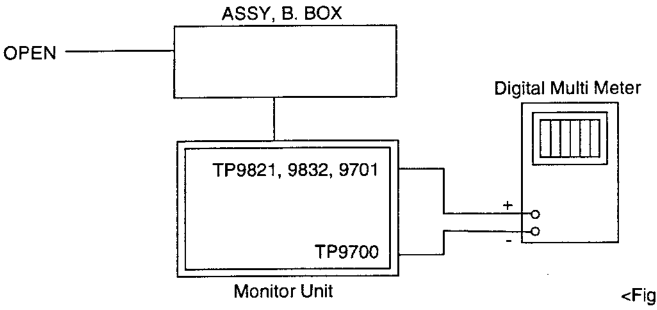
※ Point : 1 point = 1 cell

※ Spot size : 1 spot = 2 pixel (black spots only).

2. Main P.W.Board Voltage Check

Chack that the voltage is as follows before adjusting the LCD Unit.

(1) Connections



<Figure 1>

NOTE : Do not connect anything to ASSY, B. BOX.
(However, check that the Monitor Unit's power is on.)

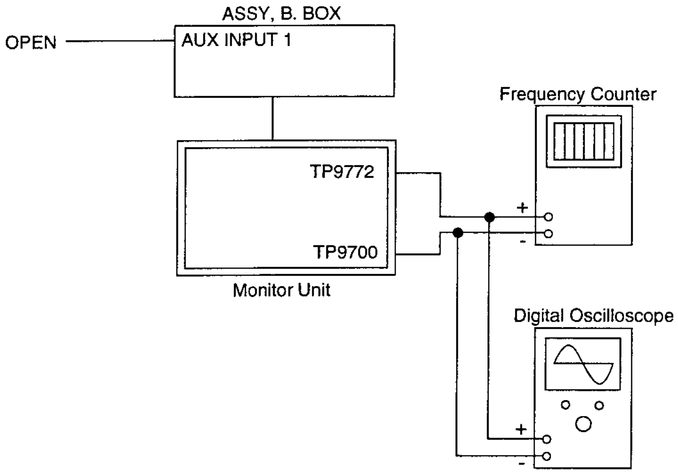
(2) Adjustment Procedures

Step	Connection	Test Point / P.W.Board Coordinates	Adjustment
1	Figure 1	TP9821 (5-C) TP9700 (4-G)	Check that the TP9821 voltage is -16±0.1V . (If not, adjust using VR203)
2	Figure 1	TP9832 (5-C) TP9700 (4-G)	Check that the TP9832 voltage is 13±0.1V . (If not, adjust using VR202)
3	Figure 1	TP9701 (4-G) TP9700 (4-G)	Check that the TP9701 voltage is 5.32±0.1V . (If not, adjust using VR201)

3. LCD Unit Adjustment

-1. LCD Timing Adjustment

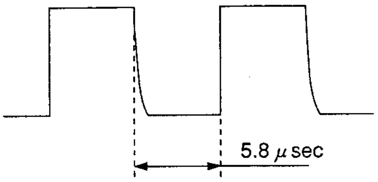
(1) Connections


ASSY, B. BOX
OPEN
AUX INPUT 1
Frequency Counter
TP9772
TP9700
+
-
Monitor Unit
Digital Oscilloscope
+
-

<Figure 2>

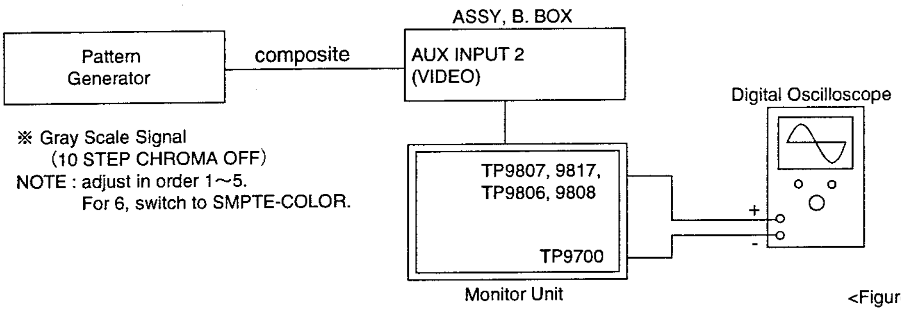
NOTE : Do not connect anything to ASSY, B. BOX AUX INPUT 1.
(However, set the Monitor Unit to the AUX1 mode.)

(2) Adjustment Procedures

Step	Connection	Test Point / P.W.Board Coordinates	Adjustment	Digital oscilloscope setting
1	Figure 2	TP9772 (5-F) TP9700 (4-G)	Adjust VR9856 (VCO) to set TP9772 to15.734kHz.	—
2	Figure 2	TP9772 (5-F) TP9700 (4-G)	As shown at the right, adjust VR9800 (H-POS) so that the L time is 5.8μsec. 	AC=1V t=2μsec STORAGE ON Cursor setting (TIME)

-2. LCD Contrast Adjustment

(1) Connections

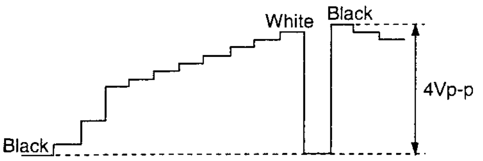

ASSY, B. BOX
Pattern Generator
composite
AUX INPUT 2 (VIDEO)
Digital Oscilloscope
TP9807, 9817, TP9806, 9808
TP9700
+
-
Monitor Unit

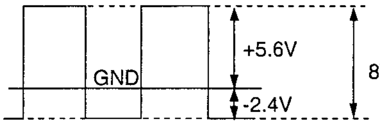
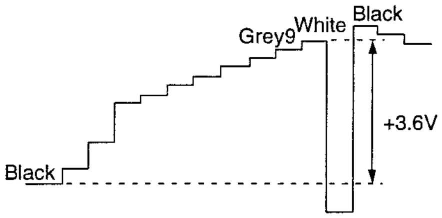
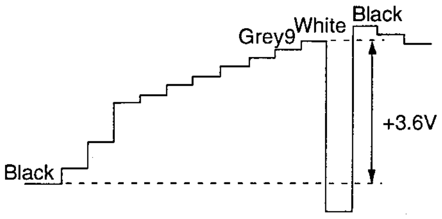
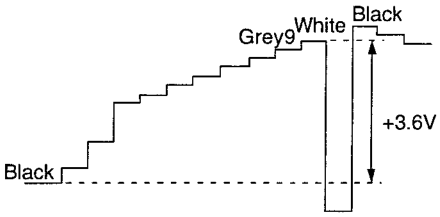
※ Gray Scale Signal
(10 STEP CHROMA OFF)
NOTE : adjust in order 1~5.
For 6, switch to SMPTE-COLOR.

<Figure 3>

NOTE : Set the Monitor Unit to the AUX 2 mode.

(2) Adjustment Procedures

Step	Connection	Test Point / P.W.Board Coordinates	Adjustment	Digital oscilloscope setting
1	Figure 3	TP9807 (4-G) TP9700 (4-G)	As shown at the right, check that there is a voltage of +4Vp-p between black and black. (If not, adjust using VR9735 (RGB AMP))  White Black 4Vp-p Black	AC=1V t=20μsec (or 10μsec) STORAGE ON Cursor setting (VOLT)

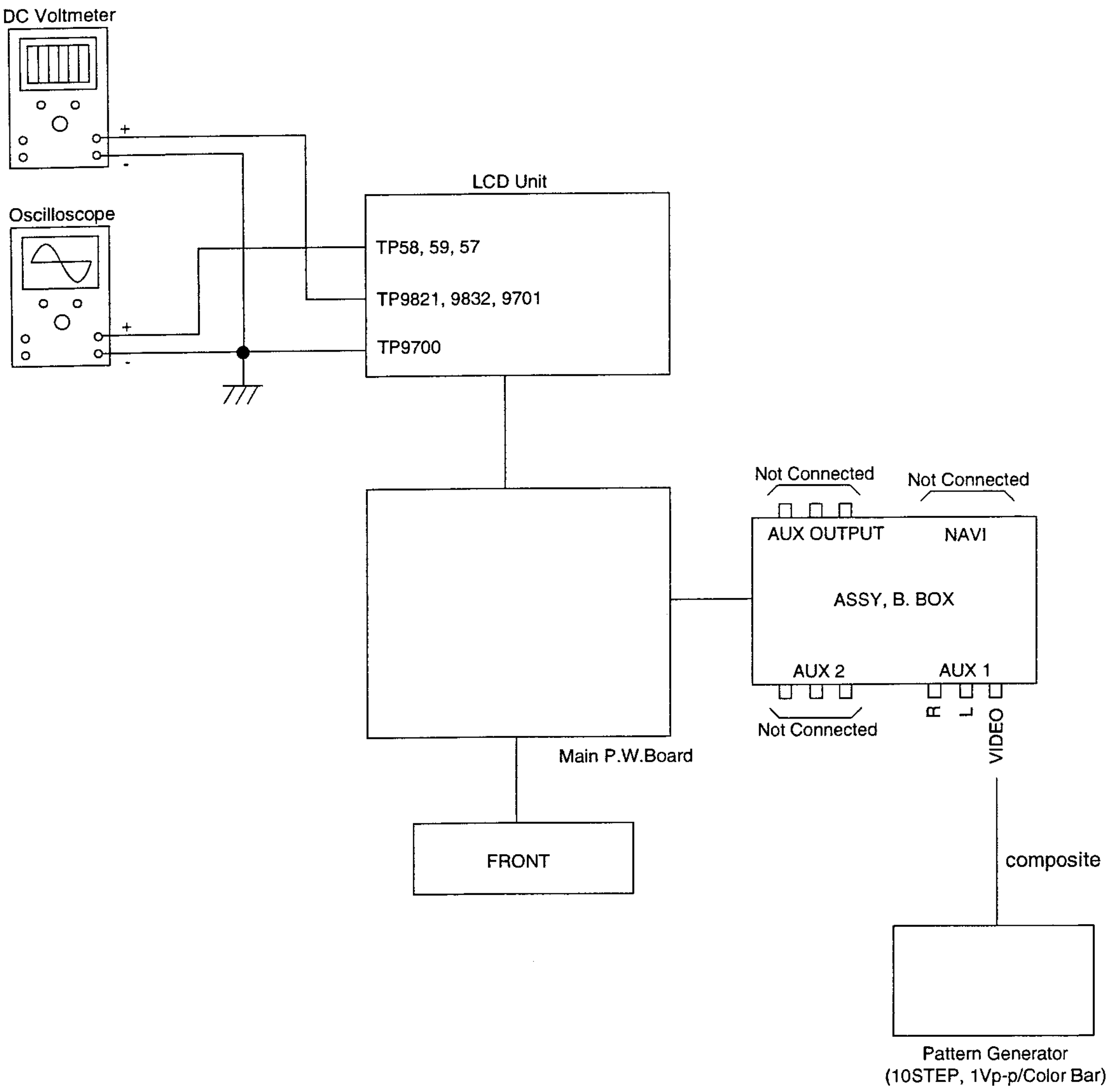
Step	Connection	Test Point / P.W.Board Coordinates	Adjustment	Digital oscilloscope setting
2	Figure 3	TP9817 (5-D) TP9700 (4-G)	As shown at the right, adjust for a waveform of -2.4V/ +5.6V using VR9723 (COM AMP) / VR9765 (COM BIAS) .  VR9723 : Amplitude adjustment VR9765 : Position adjustment	DC=2V t=20μsec STORAGE ON Cursor setting (VOLT)
3	Figure 3	TP9807 (4-G) TP9700 (4-G)	As shown at the right, adjust VR9725 (CONTRAST) for a voltage of +3.6V between Black and White. 	AC=1V t=20μsec (or 10μsec) STORAGE ON Cursor setting (VOLT)
4	Figure 3	TP9806 (4-G) TP9700 (4-G)	As shown at the right, check that there is a voltage of +3.6V between black and White. (If not, adjust using VR9727 (SUB CON R)) 	AC=1V t=20μsec (or 10μsec) STORAGE ON Cursor setting (VOLT)
5	Figure 3	TP9808 (4-G) TP9700 (4-G)	As shown at the right, check that there is a voltage of +3.6V between black and White. (If not, adjust using VR9729 (SUB CON B)) 	AC=1V t=20μsec (or 10μsec) STORAGE ON Cursor setting (VOLT)
6	Figure 3	—	① Switch the image source (pattern generator) to SMPTE-COLOR. ② Long-press the DISP switch three times to switch to MODE2 (ZOOM) . ③ Check the flicker (by eye). If flicker is visible, fine-adjust using VR9765 (COM BIAS) .	—

NOTE : The fuse will blow if the LCD P.W.Board is removed before turning off the unit Power or ACC power.

4. Main P.W.Board Adjustment

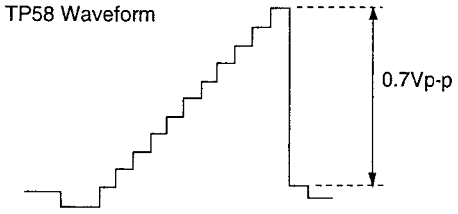
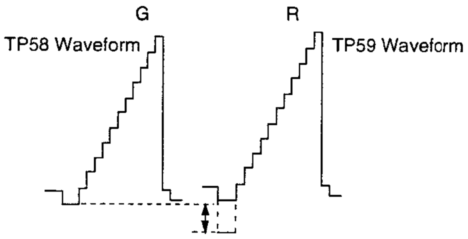
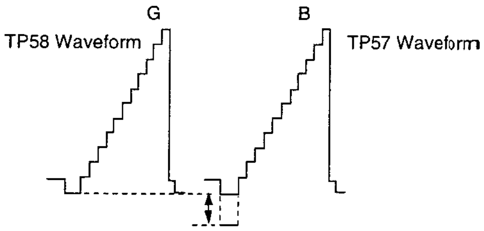
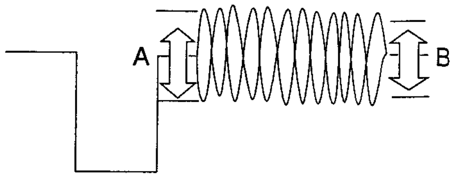
- If Main P.W.Board parts have been replaced, perform the Adjustments described below, then perform "3. LCD Unit Adjustment".
  (The items in "2. Main P.W.Board Voltage Check" are included in "4. Main P.W.Board Adjustment", so skip them.)

(1) Connections


DC Voltmeter
+
-
Oscilloscope
+
-
LCD Unit
TP58, 59, 57
TP9821, 9832, 9701
TP9700
Main P.W.Board
FRONT
Not Connected
Not Connected
AUX OUTPUT
NAVI
ASSY, B. BOX
AUX 2
AUX 1
Not Connected
R
L
VIDEO
composite
Pattern Generator
(10STEP, 1Vp-p/Color Bar)

<Figure 4>

(2) Adjustment Procedures

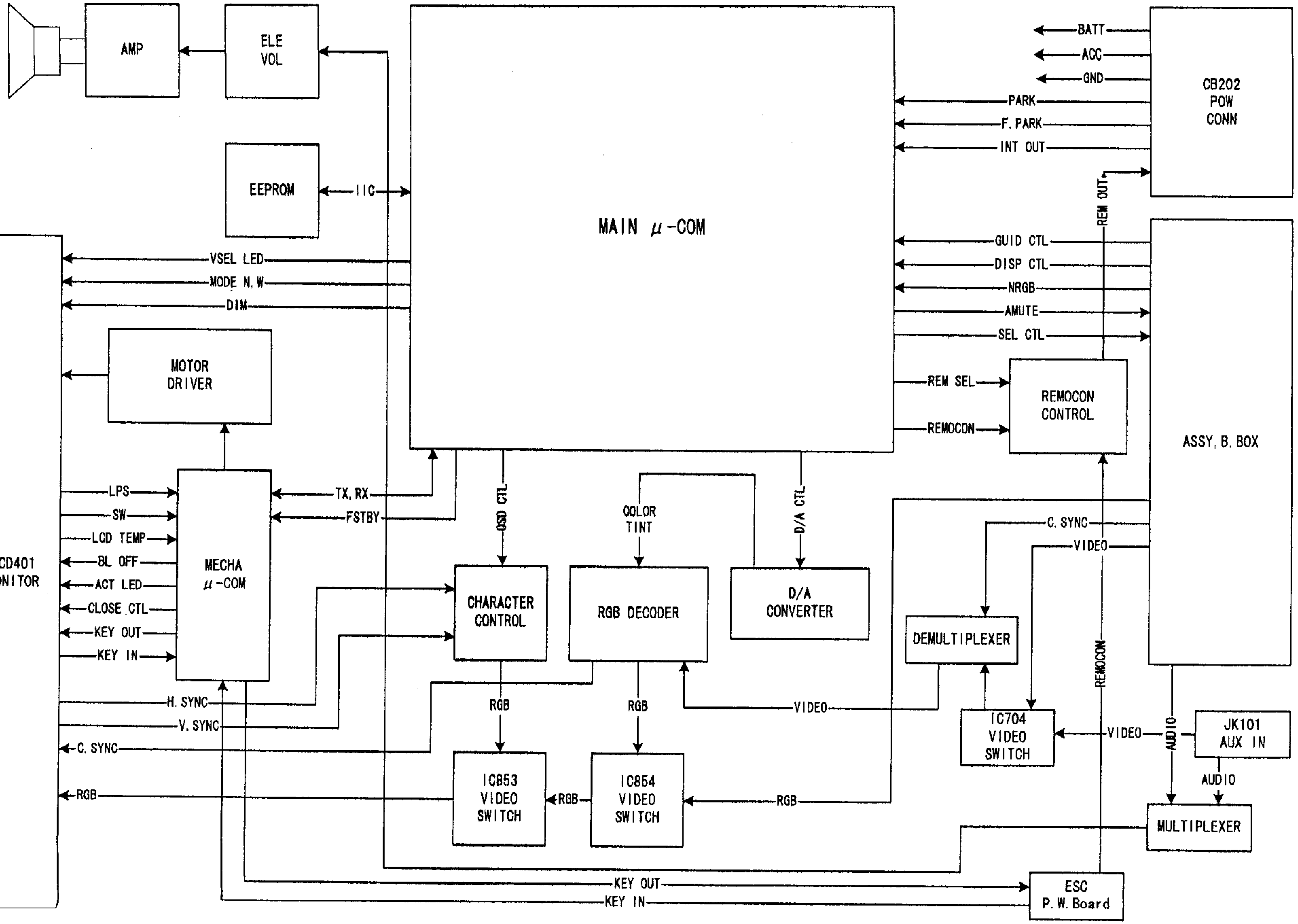
Step	Description	Test Point / P.W.Board Coordinates	Adjustment point	Conditions	Adjustment
1	CONTRAST Adjustment	TP58 (5-E) TP9700 (4-G)	VR705	pattern generator (10STEP, 1Vp-p) input	① Select the AUX 1 mode. ② Adjust so that the TP58 G signal (between Black and White) is 0.7±0.03V p-p.  TP58 Waveform 0.7Vp-p
2	SUB BRIGHT R Adjustment	TP58 (5-E) TP59 (5-D) TP9700 (4-G)	VR704	pattern generator (10STEP, 1Vp-p) input	Overlap TP59 R signal and TP58 G signal and adjust so that the sink levels overlap.  G R TP58 Waveform TP59 Waveform
3	SUB BRIGHT B Adjustment	TP57 (5-E) TP58 (5-E) TP9700 (4-G)	VR703	pattern generator (10STEP, 1Vp-p) input	Overlap TP57 B signal and TP58 G signal and adjust so that the sink levels overlap.  G B TP58 Waveform TP57 Waveform
4	PAL coil Adjustment	TP58 (5-E) TP9700 (4-G)	VR701	pattern generator (Color Bar input)	Adjust so that A =B. 

Step	Description	Test Point / P.W.Board Coordinates	Adjustment point	Conditions	Adjustment
5	LCD -16.0V Adjustment	TP9821 (5-C) TP9700 (4-G)	VR203	—	Adjust so that the TP9821 voltage is DC -16.0±0.05V.
6	LCD 13.0V Adjustment	TP9832 (5-C) TP9700 (4-G)	VR202	—	Adjust so that the TP9832 voltage is DC 13.0±0.05V.
7	LCD 5.32V Adjustment	TP9701 (4-G) TP9700 (4-G)	VR201	—	Adjust so that the TP9701 voltage is DC 5.32±0.01V.

NOTE : For the Adjustment Parts and Test Points, refer to the Parts Layout on P.W. Boards and Wiring Diagram.

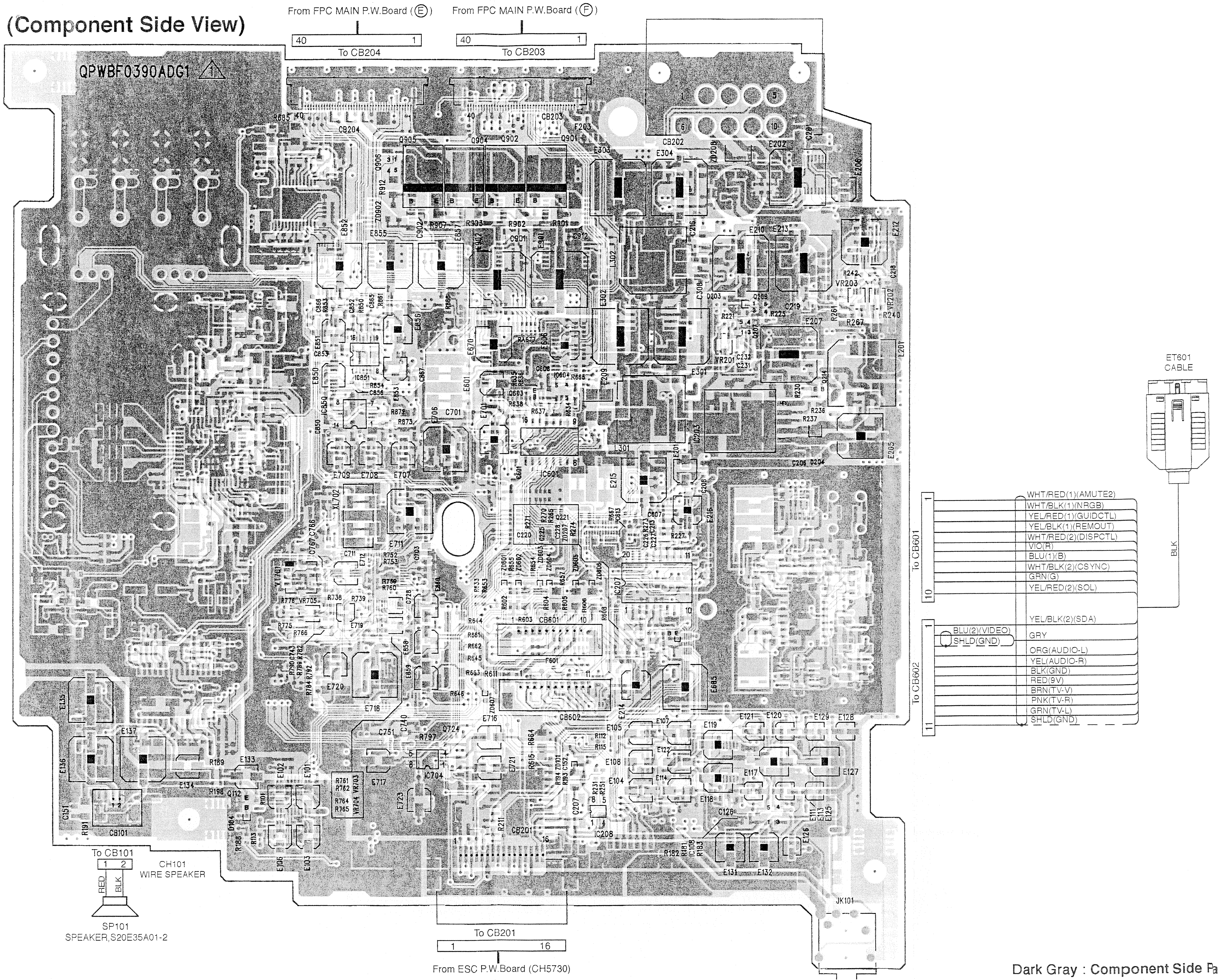
TME-M790

Block Diagram


AMP
ELE VOL
EEPROM
IIC
MAIN μ-COM
CB202 POW CONN
BATT
ACC
GND
PARK
F. PARK
INT OUT
REM OUT
GUID CTL
DISP CTL
NRGB
AMUTE
SEL CTL
REM SEL
REMOCON
REMOCON CONTROL
ASSY, B. BOX
VSEL LED
MODE N, W
DIM
MOTOR DRIVER
LCD401 MONITOR
MECHA μ-COM
LPS
SW
LCD TEMP
BL OFF
ACT LED
CLOSE CTL
KEY OUT
KEY IN
TX, RX
FSTBY
OSD CTL
COLOR TINT
D/A CTL
CHARACTER CONTROL
RGB DECODER
D/A CONVERTER
C. SYNC
VIDEO
DEMULTIPLEXER
H. SYNC
V. SYNC
C. SYNC
RGB
RGB
RGB
IC853 VIDEO SWITCH
RGB
IC854 VIDEO SWITCH
RGB
VIDEO
IC704 VIDEO SWITCH
VIDEO
AUDIO
JK101 AUX IN
AUDIO
REMOCON
MULTIPLEXER
KEY OUT
KEY IN
ESC P. W. Board

Parts Layout on P.W.Boards and Wiring Diagram (1/5)

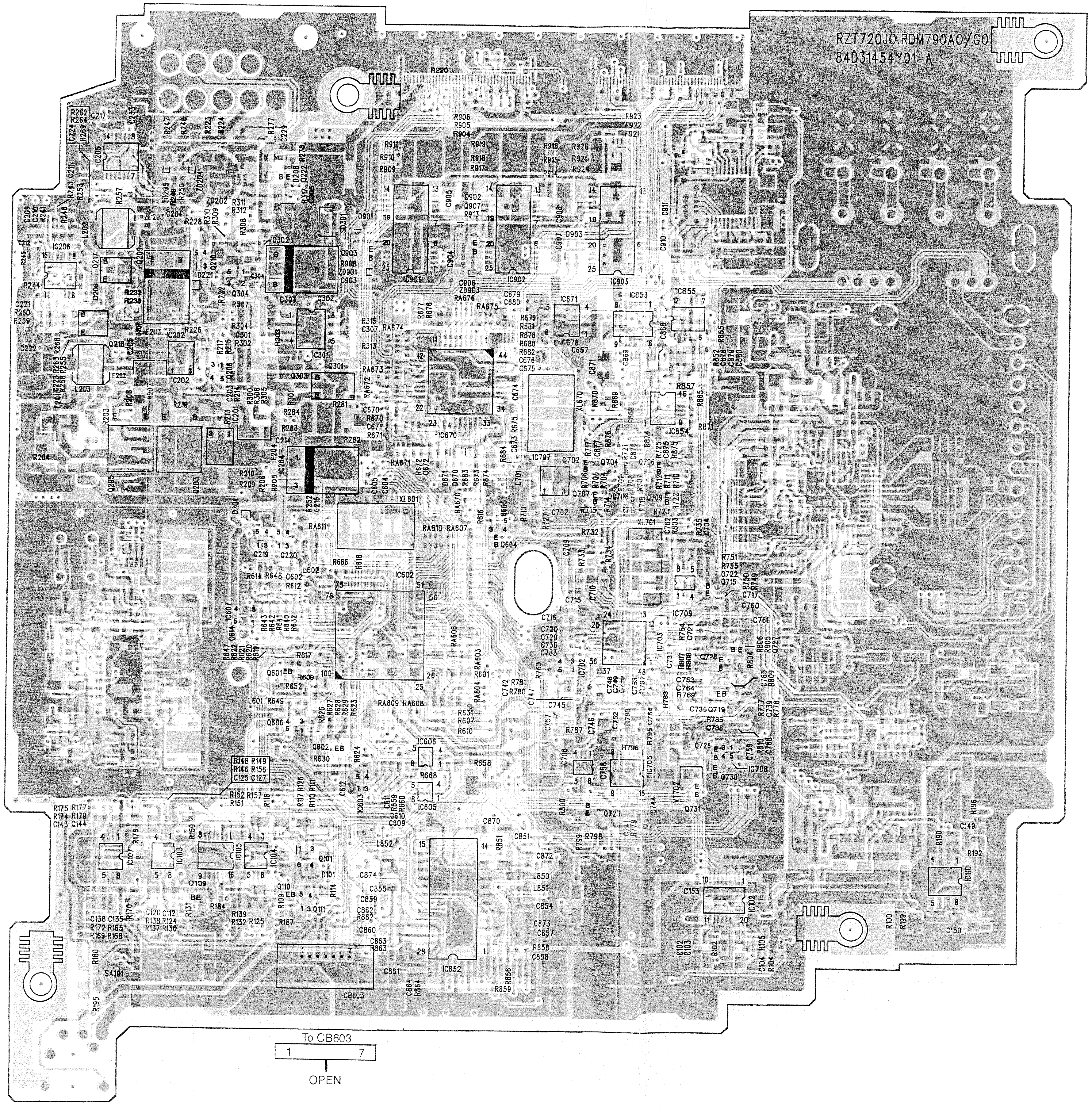
Main P.W.Board (Component Side View)


From FPC MAIN P.W.Board (Ⓔ)
40
1
To CB204
From FPC MAIN P.W.Board (Ⓕ)
40
1
To CB203
QPWBF0390ADG1
CB204
CB203
CB202
CB201
CB101
CB601
CB602
IC601
IC207
IC208
IC704
JK101
ET601
CABLE
BLK
To CB601
1
10
WHT/RED(1)(AMUTE2)
WHT/BLK(1)(NRGB)
YEL/RED(1)(GUIDCTL)
YEL/BLK(1)(REMOUT)
WHT/RED(2)(DISPCTL)
VIO(R)
BLU(1)(B)
WHT/BLK(2)(CSYNC)
GRN(G)
YEL/RED(2)(SOL)
YEL/BLK(2)(SDA)
To CB602
1
11
BLU(2)(VIDEO)
SHLD(GND)
GRY
ORG(AUDIO-L)
YEL(AUDIO-R)
BLK(GND)
RED(9V)
BRN(TV-V)
PNK(TV-R)
GRN(TV-L)
SHLD(GND)
To CB101
1
2
RED
BLK
CH101
WIRE SPEAKER
SP101
SPEAKER,S20E35A01-2
To CB201
1
16
From ESC P.W.Board (CH5730)
1
2
3
4
5
A
B
C
D
E
F
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (2/5)

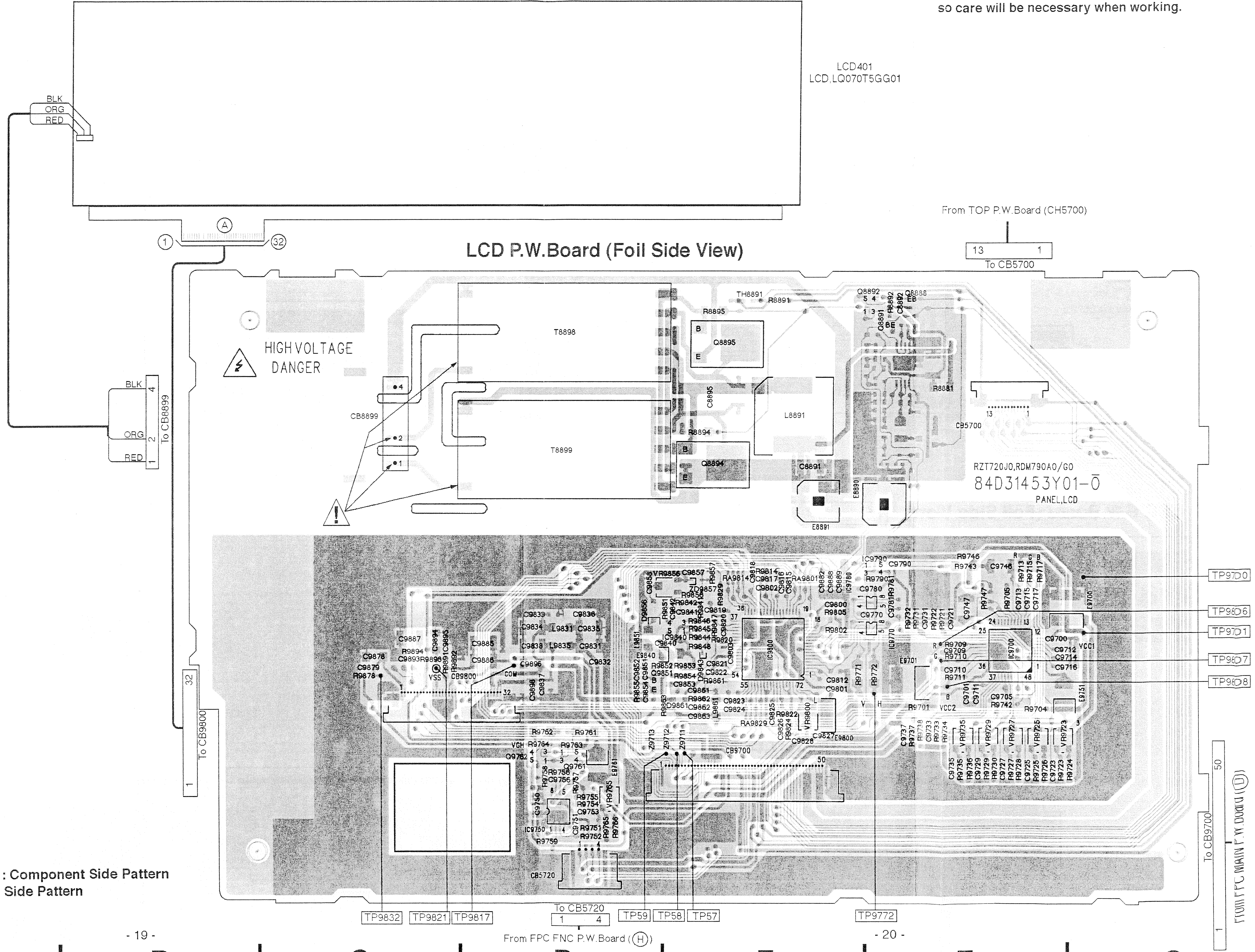
Main P.W.Board (Foil Side View)


RZT720J0.RDM790A0/G0
84D31454Y01-A
To CB603
1
7
OPEN
1
2
3
4
5
A
B
C
D
E
F
G

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (3/5)

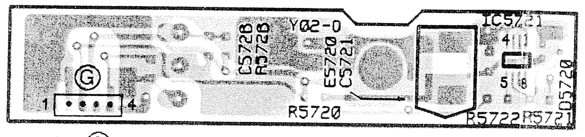
Caution : The part marked with ⚠ is generating a high voltage, so care will be necessary when working.


LCD401
LCD,LQ070T5GG01
BLK
ORG
RED
Ⓐ
①
㉜
LCD P.W.Board (Foil Side View)
From TOP P.W.Board (CH5700)
13
1
To CB5700
HIGH VOLTAGE
DANGER
CB8899
T8898
T8899
TH8891
R8891
R8895
Q8895
Q8892
C8895
L8891
R8894
Q8894
C8891
E8890
E8891
R8881
CB5700
RZT720J0,RDM790A0/G0
84D31453Y01-0
PANEL,LCD
BLK
ORG
RED
4
2
1
To CB8899
32
1
To CB9800
IC9800
IC9700
IC9790
IC9750
CB9700
CB5720
VSS
VCC1
VCC2
VGH
COM
TP9700
TP9806
TP9701
TP9807
TP9808
TP9832
TP9821
TP9817
To CB5720
1
4
From FPC FNC P.W.Board (Ⓗ)
TP59
TP58
TP57
TP9772
50
1
To CB9700
From FPC MAIN P.W.Board (Ⓓ)
1
2
3
4
5
A
B
C
D
E
F
G

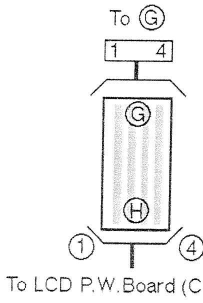
Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (4/5)

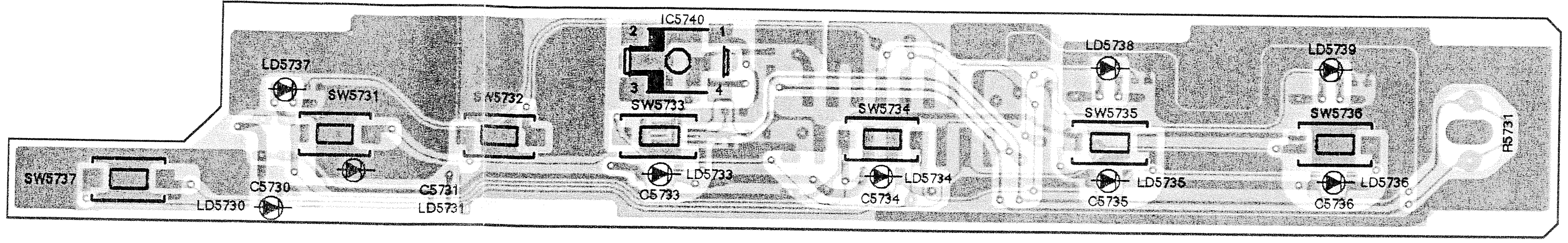
FNC P.W.Board (Component Side View)


G
1
4
C5720
R5728
Y02-0
E5720
C5721
IC5721
4
1
5
8
R5720
R5722
R5721
Q5720

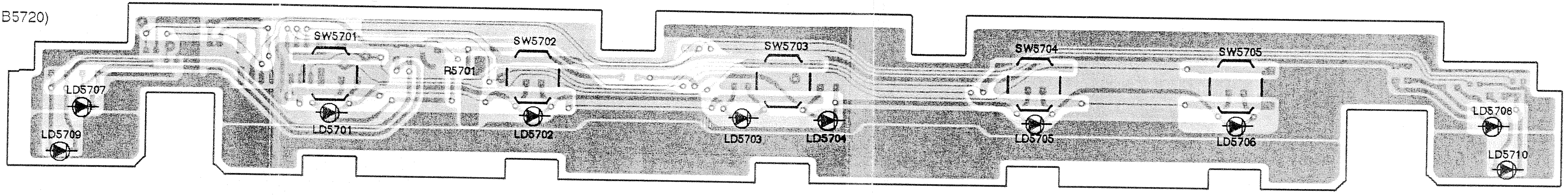
FPC FNC P.W.Board (Foil Side View)


To G
1
4
G
H
①
④
To LCD P.W.Board (CB5720)

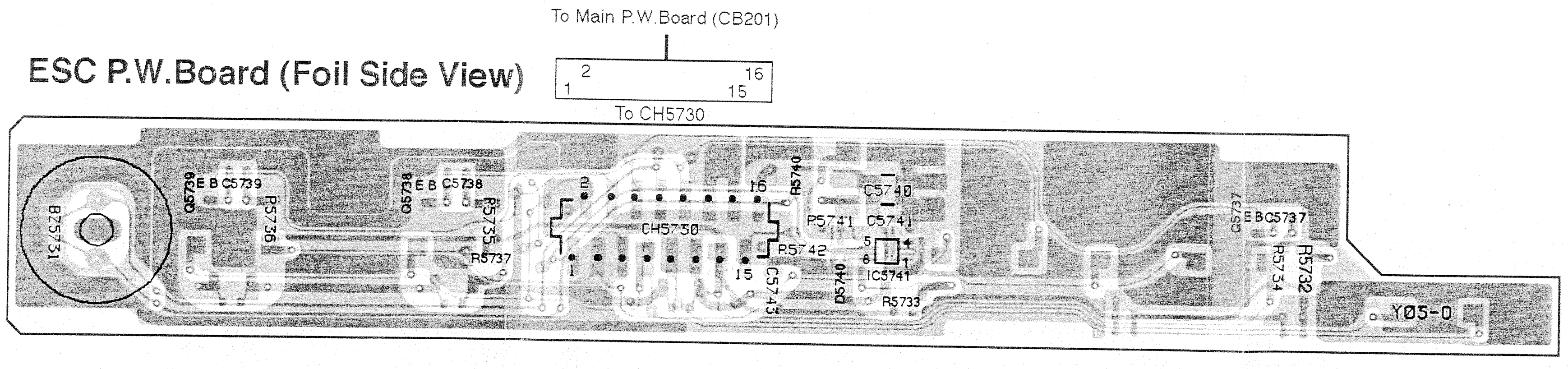
ESC P.W.Board (Component Side View)


LD5737
SW5731
SW5732
IC5740
2
1
3
4
SW5733
SW5734
LD5738
LD5739
SW5735
SW5736
R5731
SW5737
C5730
LD5730
C5731
LD5731
LD5733
C5733
LD5734
C5734
LD5735
C5735
LD5736
C5736

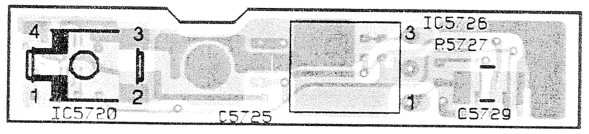
TOP P.W.Board (Component Side View)


SW5701
SW5702
SW5703
SW5704
SW5705
R5701
LD5707
LD5709
LD5701
LD5702
LD5703
LD5704
LD5705
LD5706
LD5708
LD5710

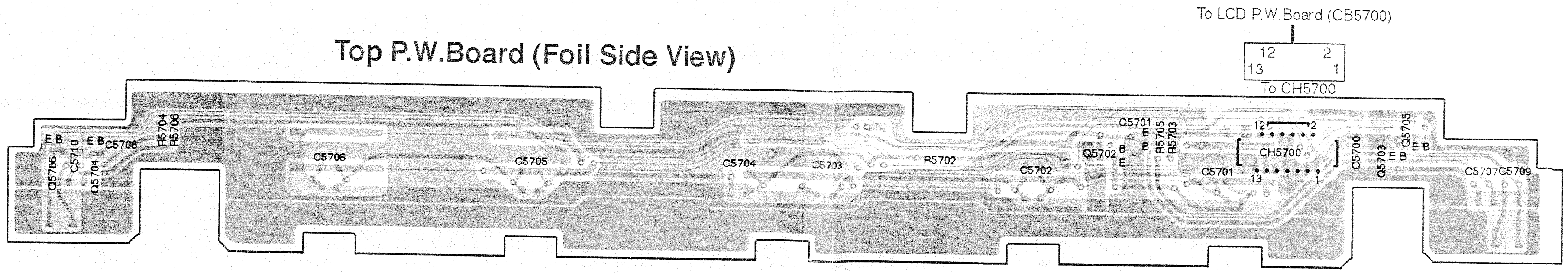
ESC P.W.Board (Foil Side View)


To Main P.W.Board (CB201)
2
16
1
15
To CH5730
R5731
Q5739
E B C5739
R5736
Q5738
E B C5738
R5735
R5737
2
16
CH5730
1
15
R5740
C5740
R5741
C5741
R5742
5
4
8
1
IC5741
C5743
D5740
R5733
Q5737
E B C5737
R5734
R5732
Y05-0

FNC P.W.Board (Foil Side View)

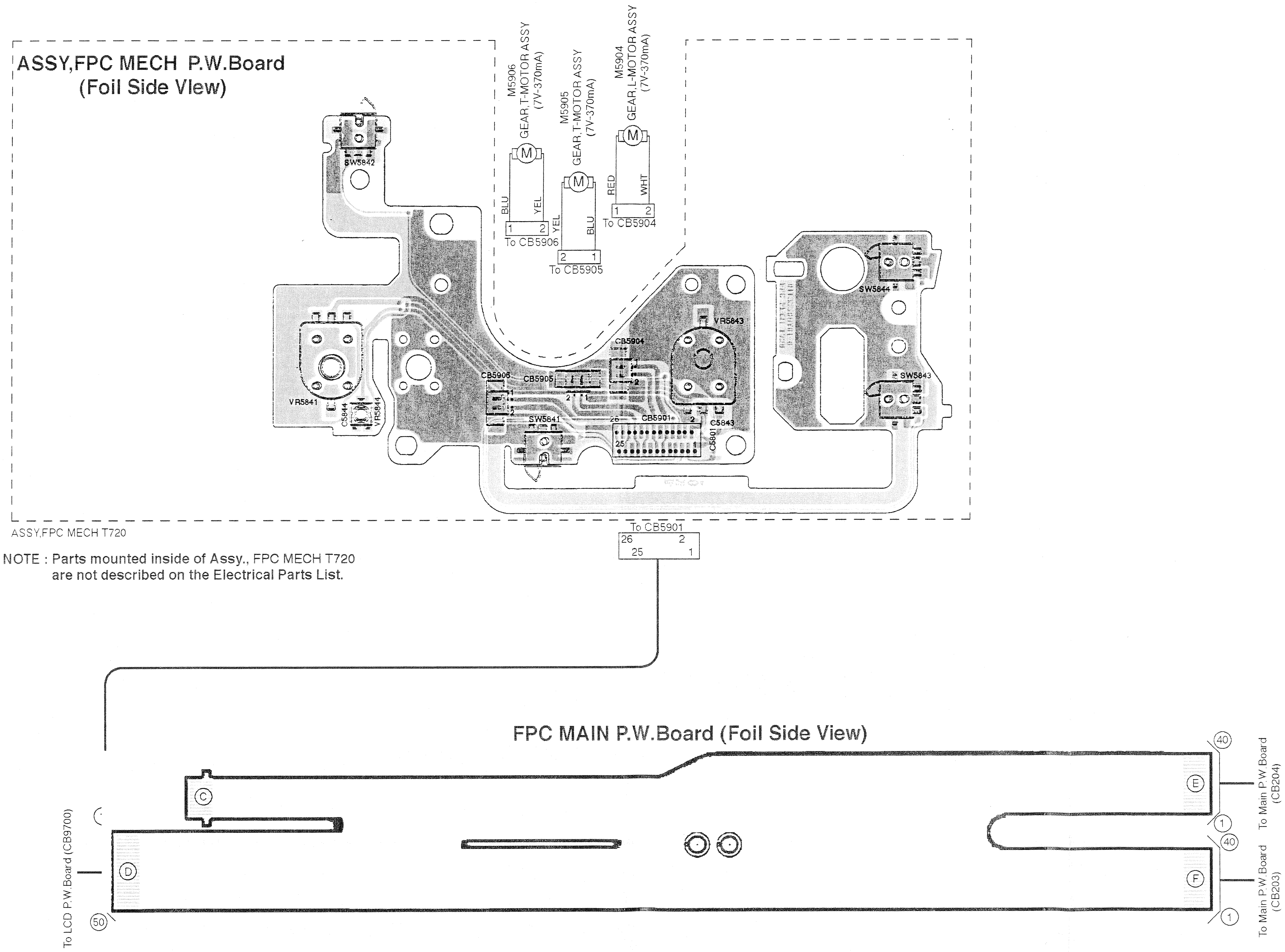

4
3
1
2
IC5720
C5725
3
IC5726
R5727
1
C5729

Top P.W.Board (Foil Side View)


To LCD P.W.Board (CB5700)
12
2
13
1
To CH5700
E B
E B C5708
R5704
R5706
Q5706
C5710
Q5704
C5706
C5705
C5704
C5703
R5702
C5702
Q5701
Q5702
B
E
R5705
R5703
12
2
CH5700
C5701
13
1
C5700
Q5703
E B
Q5705
E B
C5707
C5709

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

Parts Layout on P.W.Boards and Wiring Diagram (5/5)


ASSY,FPC MECH P.W.Board
(Foil Side View)
M5906
GEAR,T-MOTOR ASSY
(7V-370mA)
M5905
GEAR,T-MOTOR ASSY
(7V-370mA)
M5904
GEAR,L-MOTOR ASSY
(7V-370mA)
M
BLU
YEL
1 2
To CB5906
YEL
BLU
2 1
To CB5905
RED
WHT
1 2
To CB5904
SW5842
SW5844
SW5843
VR5843
CB5904
CB5906
CB5905
VR5841
C5844
VR5844
SW5841
CB5901
C5843
C5801
26
25
2
1
ASSY,FPC MECH T720
To CB5901
26 2
25 1
FPC MAIN P.W.Board (Foil Side View)
C
D
E
F
40
1
50
To LCD P.W.Board (CB9700)
To Main P.W.Board (CB204)
To Main P.W.Board (CB203)

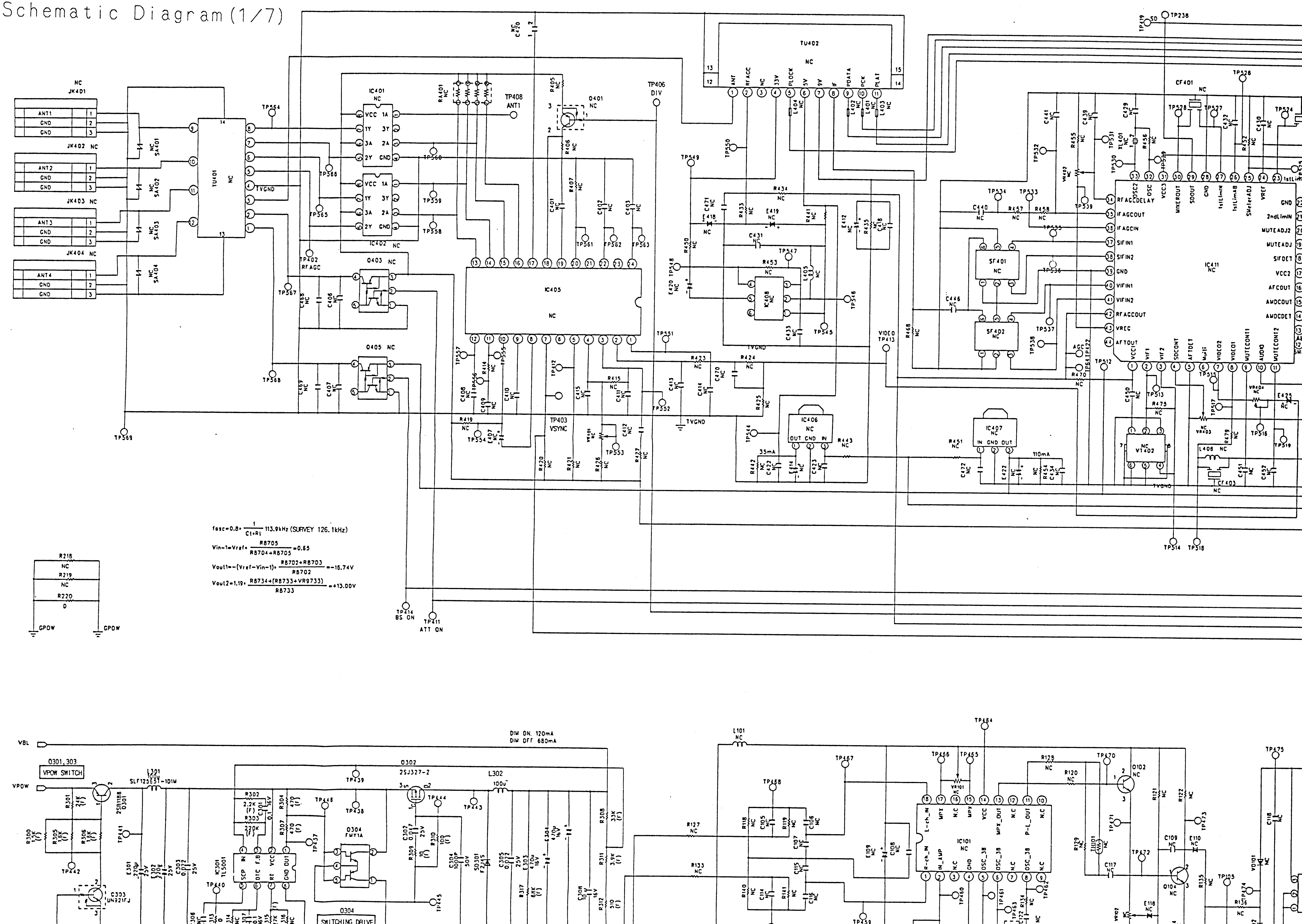
NOTE : Parts mounted inside of Assy., FPC MECH T720
are not described on the Electrical Parts List.

Dark Gray : Component Side Pattern
Gray : Foil Side Pattern

1
2
3
4
5

A | B | C | D | E | F | G

Schematic Diagram (1/7)



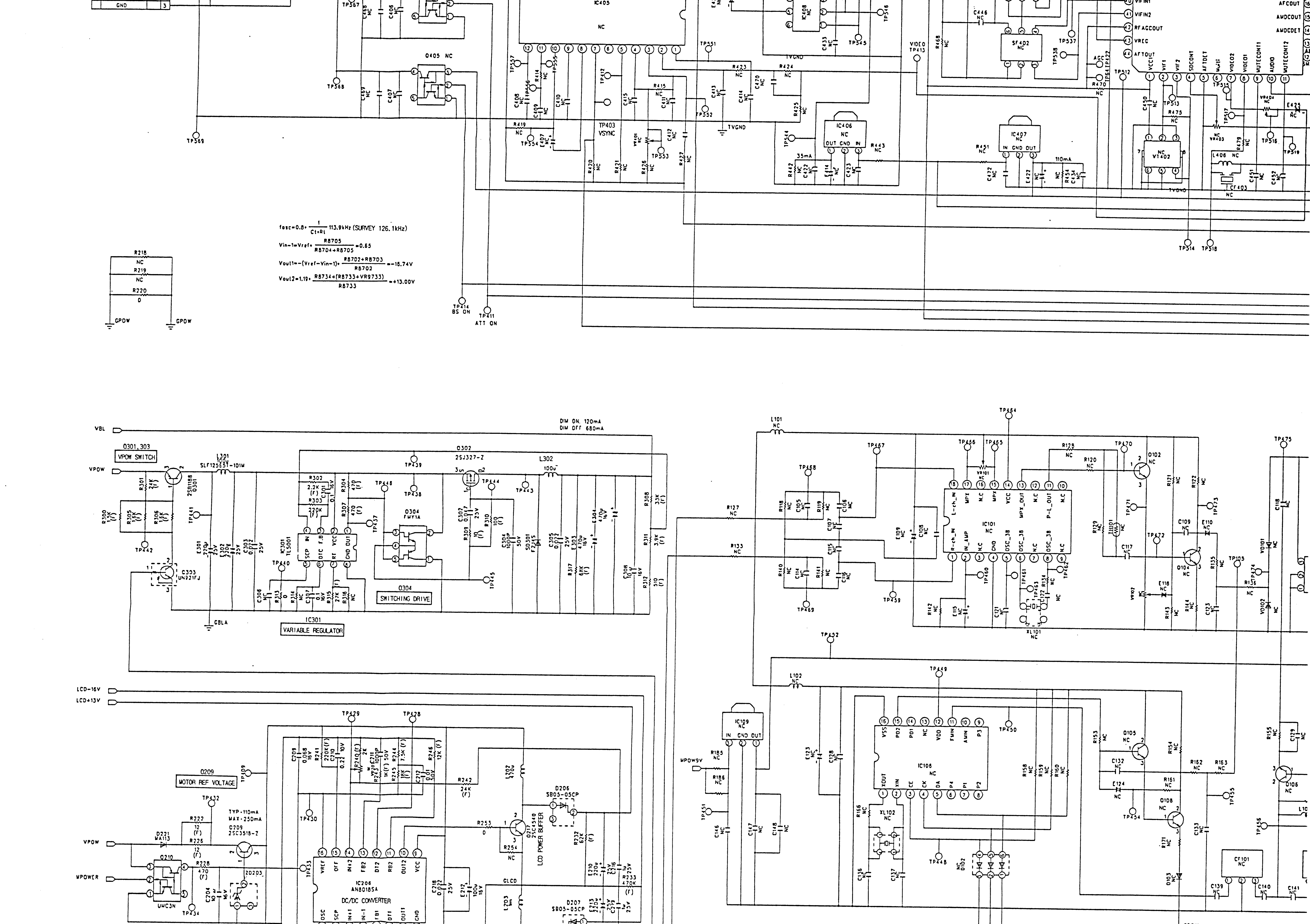
$$f_{osc}=0.8\cdot\frac{1}{Ct\cdot Rt}\ 113.9\text{kHz (SURVEY 126.1kHz)}$$

$$Vin\text{-}1=Vref\cdot\frac{R8705}{R8704+R8705}=0.65$$

$$Vout1=-(Vref-Vin\text{-}1)\cdot\frac{R8702+R8703}{R8702}=-15.74V$$

$$Vout2=1.19\cdot\frac{R8734+(R8733+VR9733)}{R8733}=+13.00V$$

JK401 NC
ANT1
GND
JK402 NC
ANT2
JK403 NC
ANT3
JK404 NC
ANT4
SA401 NC
SA402 NC
SA403 NC
SA404 NC
TU401 NC
TVGND
TP564
IC401 NC
IC402 NC
VCC 1A 1Y 3Y 3A 2A 2Y GND
TP408 ANT1
Q401 NC
TP406 DIV
TU402 NC
ANT RFAGC NC 33V PLOCK 5V 9V IF PDATA PCK PLAT
TP419 SD
TP238
CF401 NC
TP528
TP402 RFAGC
Q403 NC
Q405 NC
IC405 NC
IC408 NC
IC406 NC
OUT GND IN
35mA
IC407 NC
IN GND OUT
110mA
SF401 NC
SF402 NC
IC411 NC
RFAGCDELAY
IFAGCOUT
IFAGCIN
SIFIN1
SIFIN2
GND
VIFIN1
VIFIN2
RFAGCOUT
VREC
AFTOUT
OSC2 OSC VCC3 MIXEROUT SDOUT GND 1stLimIN 1stLimAB SMeterADJ VREF
GND 2ndLimIN MUTEADJ2 MUTEADJ SIFDET VCC2 AFCOUT AMDCOUT AMDCDET
VCC1 VIF1 VIF2 SDCONT AFTDET Multi VIDEO2 VIDEO1 MUTECONT1 AUDIO MUTECONT2
VT402 NC
VIDEO TP413
TP403 VSYNC
TVGND
TP414 BS ON
TP411 ATT ON
TP514 TP518
R218 NC
R219 NC
R220 0
GPOW
VBL
VPOW
Q301,303
VPOW SWITCH
2SB1188 Q301
C303 UN921FJ
L301 220u SLF12555T-101M
DIM ON 120mA
DIM OFF 680mA
IC301 TL5001
SCP IN DTC F.B RT VCC GND OUT
Q302 2SJ327-Z
L302 100u
Q304 FMY1A
Q304 SWITCHING DRIVE
SD301 F2J5
L101 NC
IC101 NC
L-ch_IN MPX N.C MPX VCC MPX_OUT N.C P-L_OUT N.C
R-ch_IN IN_AMP N.C GND OSC_38 OSC_38 N.C OSC_38 N.C
Q102 NC
Q104 NC
TP464 TP467 TP468 TP466 TP465 TP470 TP475
R127 NC
R133 NC
R125 NC
R120 NC
VR101 NC

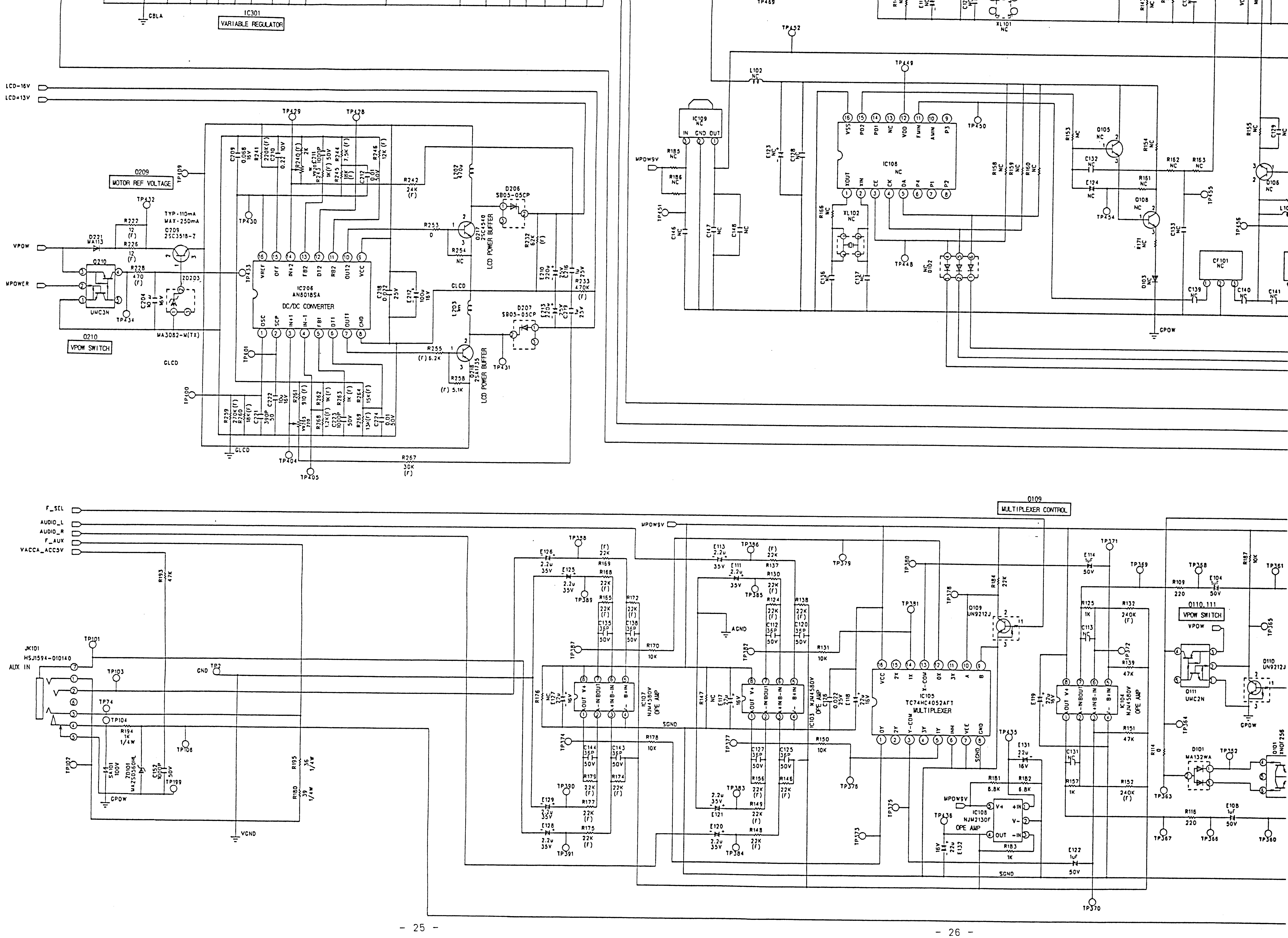

GND
IC405
Q405 NC
TP403 VSYNC
IC406 NC
OUT GND IN
35mA
IC407 NC
IN GND OUT
110mA
SF402 NC
VT402 NC
L406 NC
CF403 NC
TVGND
VIFIN1
VIFIN2
RFAGCOUT
VREC
AFTOUT
AFCOUT
AMDCOUT
AMDCDET
VIDEO TP413
VCC1 VIF1 VIF2 SDCONT AFTDET Mute VIDEO2 VIDEO1 MUTECONT1 AUDIO MUTECONT2
TP414 BS ON
TP411 ATT ON
TP569
TP568
TP514 TP518
R218 NC
R219 NC
R220 0
GPOW
GPOW
VBL
VPOW
Q301,303
VPOW SWITCH
2SB1188 Q301
L301 100u SLF12565T-101M
Q303 UN921FJ
GBLA
IC301 TL5001
SCP IN DTC F.B VCC RT GND OUT
IC301
VARIABLE REGULATOR
Q302 2SJ327-Z
Q304 FMY1A
Q304
SWITCHING DRIVE
L302 100u
DIM ON 120mA
DIM OFF 680mA
SD301 F2J4S
LCD-16V
LCD+13V
Q209
MOTOR REF VOLTAGE
TYP-110mA
MAX-250mA
Q209 2SC3518-Z
VPOW
MPOWER
D221 MA113
Q210
UMC3N
ZD203
IC206 AN8018SA
DC/DC CONVERTER
VREF OFF IN+2 FB2 DT2 RB2 OUT2 VCC
OSC SCP IN-1 FB1 DT1 OUT1 GND
Q217 2SC4540
LCD POWER BUFFER
D206 SB05-05CP
D207 SB05-05CP
CLCD
L101 NC
L102 NC
IC101 NC
L-ch_IN MPX N.C MPX VCC MPX_OUT N.C P-L_OUT1 N.C
R-ch_IN IN_AMP N.C GND OSC_38 OSC_38 N.C OSC_38
XL101 NC
Q102 NC
Q104 NC
VD101 NC
VD102 NC
IC109 NC
IN GND OUT
MPOW9V
IC108 NC
VSS PO2 PO1 NC VDD FMIN AMIN P3
XOUT XIN CE CK DA P4 P1 P2
XL102 NC
D102 NC
Q105 NC
Q106 NC
Q108 NC
D103 NC
CF101 NC

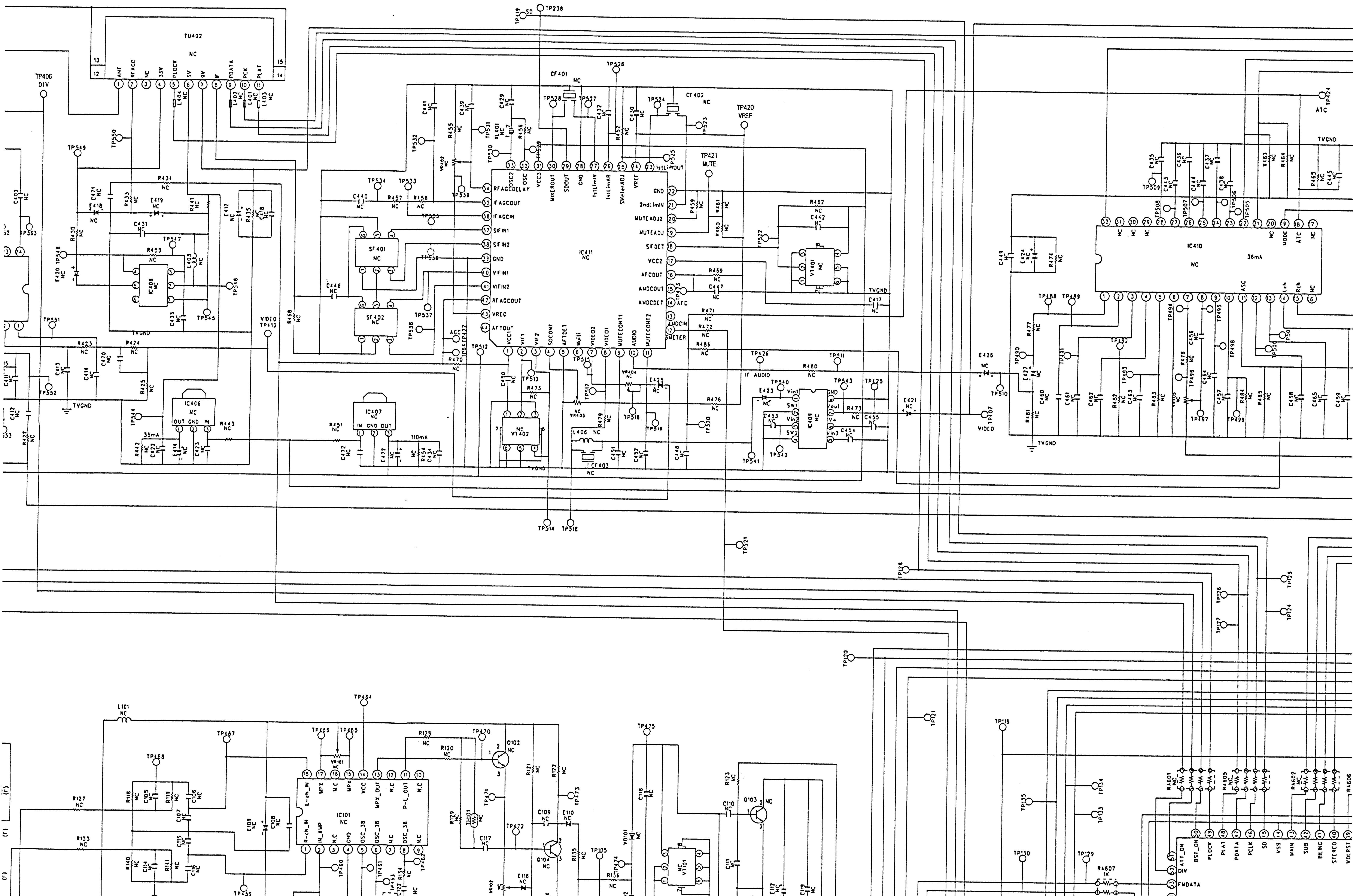
$$f_{osc}=0.8\times\frac{1}{Ct\cdot Rt}\ 113.9\text{kHz (SURVEY 126.1kHz)}$$

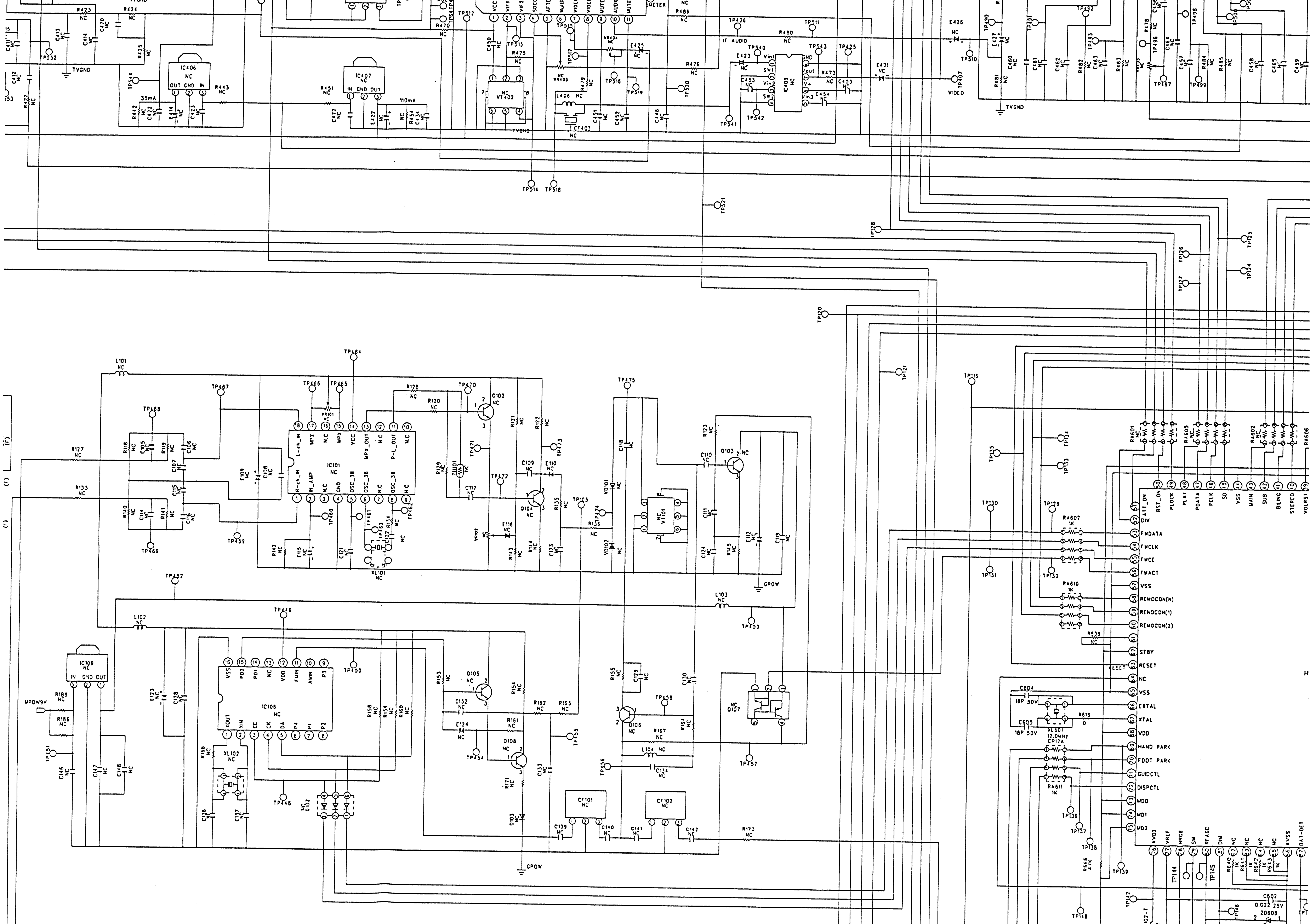
$$Vin-1=Vref\times\frac{R8705}{R8704+R8705}=0.85$$

$$Vout1=-(Vref-Vin-1)\times\frac{R8702+R8703}{R8702}=-15.74V$$

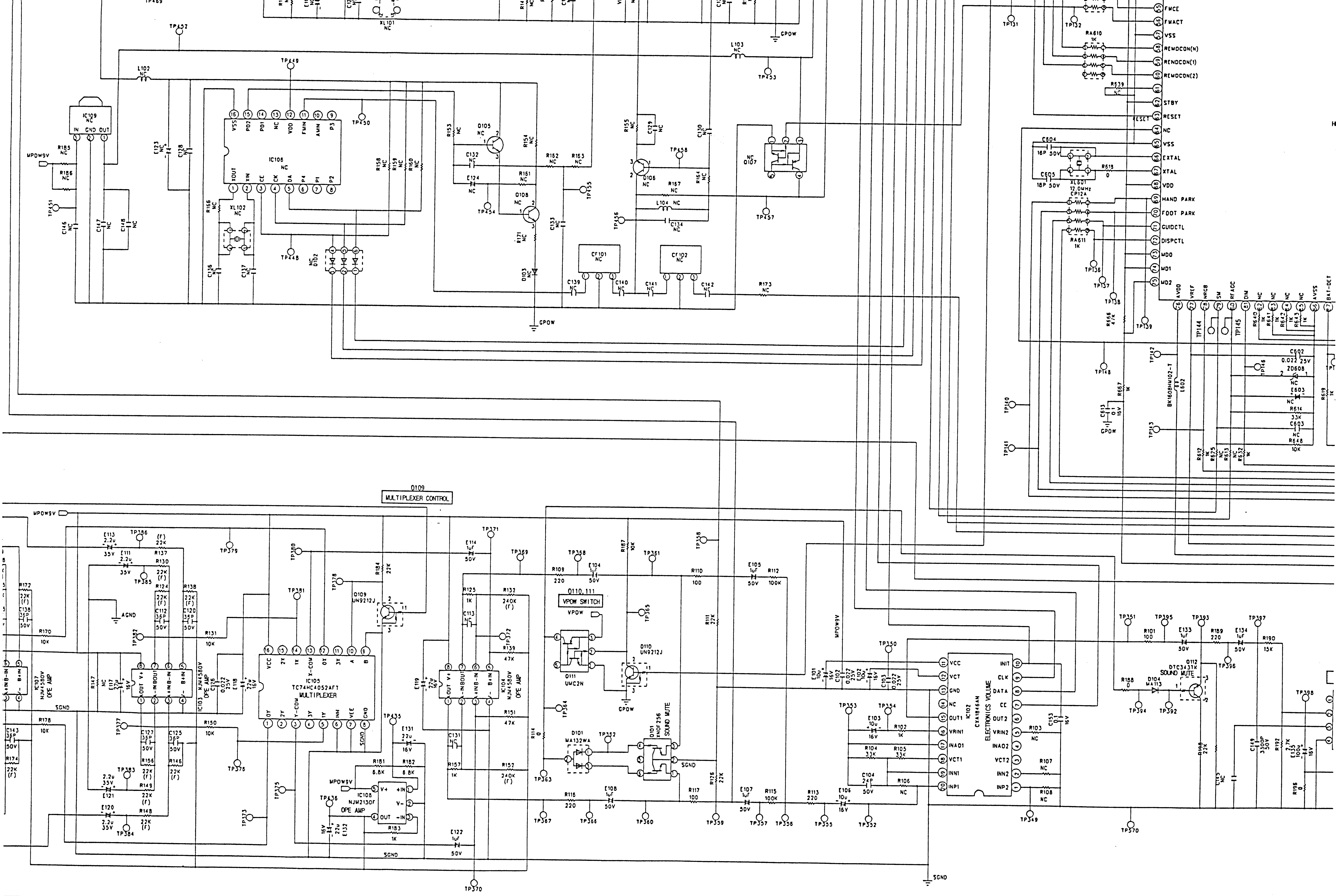
$$Vout2=1.19\times\frac{R8734+(R8733+VR9733)}{R8733}=+13.00V$$

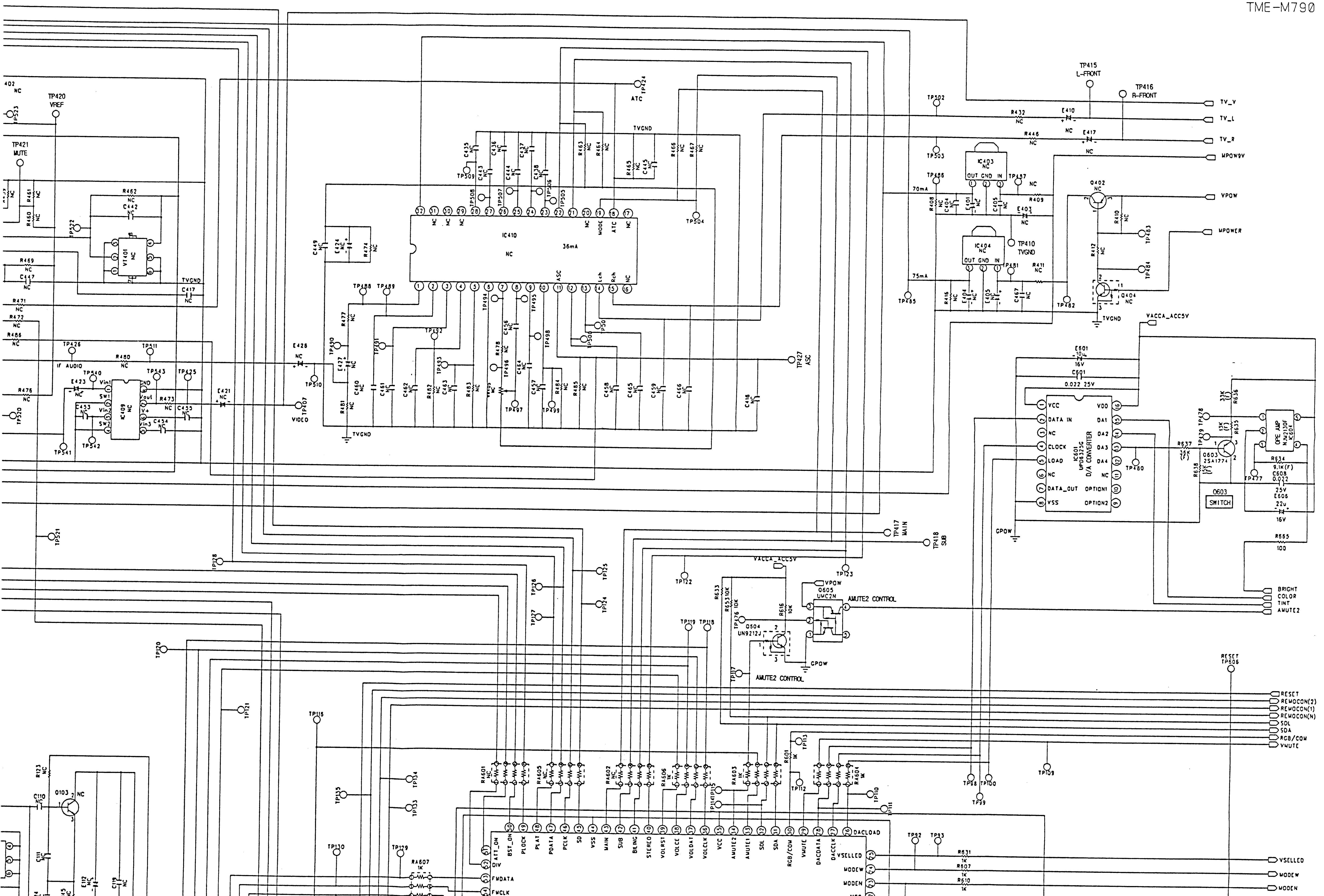

IC301
VARIABLE REGULATOR
GBLA
LCD-16V
LCD+13V
VPOW
MPOWER
Q209
MOTOR REF VOLTAGE
Q210
VPOW SWITCH
UMC3N
D221 MA113
Q209 2SC3518-Z
TYP-110mA
MAX-250mA
ZD203
MA3082-M(TX)
IC206
AN8018SA
DC/DC CONVERTER
VREF
OFF
IN+2
FB2
DT2
RB2
OUT2
VCC
OSC
SCP
IN+1
IN-1
FB1
DT1
OUT1
GND
Q217 2SC4540
LCD POWER BUFFER
Q218 2SA1735
LCD POWER BUFFER
D206 SB05-05CP
D207 SB05-05CP
L202
L203
GLCD
TP429
TP428
TP430
TP431
TP432
TP433
TP434
TP401
TP400
TP404
TP405
TP409
R267 30K (F)
R242 24K (F)
R253 0
R255 (F) 8.2K
R258 (F) 5.1K
IC109 NC
IN
GND
OUT
MPOW9V
IC106 NC
VSS
PD2
PD1
NC
VDD
FMIN
AMIN
P3
XOUT
XIN
CE
CK
DA
P4
P1
P2
XL101 NC
XL102 NC
L102 NC
D102 NC
Q105 NC
Q106 NC
Q108 NC
CF101 NC
D103 NC
GPOW
TP449
TP450
TP451
TP452
TP454
TP455
TP456
TP448
TP469
F_SEL
AUDIO_L
AUDIO_R
F_AUX
VACCA_ACC5V
JK101
HSJ1594-010140
AUX IN
GND
TP2
TP101
TP102
TP103
TP104
TP74
TP108
TP199
SA101 100V
ZD101 MAZS056 0HL
C152 1000P 50V
R193 47K
R194 1K 1/4W
R195 36 1/4W
R180 39 1/4W
GPOW
VGND
IC107
NJM4580V
OPE AMP
IC103
NJM4580V
OPE AMP
OUT
-IN
+IN
V-
V+
SGND
AGND
IC105
TC74HC4052AFT
MULTIPLEXER
X-COM
Y-COM
INH
VEE
GND
Q109
MULTIPLEXER CONTROL
Q109 UN9212J
IC108
NJM2130F
OPE AMP
IC104
NJM4580V
OPE AMP
Q110, 111
VPOW SWITCH
Q111 UMC2N
Q110 UN9212J
D101 MA132WA
R170 10K
R131 10K
R178 10K
R150 10K
R184 22K
R181 6.8K
R182 6.8K
R183 1K
R125 1K
R132 240K (F)
R139 47K
R151 47K
R157 1K
R152 240K (F)
R109 220
R116 220
R114 0
R187 10K
E104 1uF 50V
E108 1uF 50V
E114 1uF 50V
E122 1uF 50V
TP358
TP360
TP361
TP363
TP365
TP366
TP367
TP369
TP370
TP371
TP372
TP373
TP375
TP376
TP377
TP378
TP379
TP380
TP381
TP383
TP384
TP385
TP386
TP387
TP388
TP389
TP390
TP391
TP352
TP364
TP435
TP436
MPOW9V


TU402
NC
ANT
RFAGC
NC
33V
PLOCK
5V
9V
IF
PDATA
PCK
PLAT
TP406
DIV
TP419
SD
TP238
CF401
NC
TP526
TP528
TP527
CF402
NC
TP524
TP420
VREF
TP421
MUTE
TP523
TP525
TP531
XL401
TP530
TP529
TP532
TP534
TP533
TP535
TP536
TP537
TP538
TP539
SF401
NC
SF402
NC
IC411
NC
RFAGCDELAY
IFAGCOUT
IFAGCIN
SIFIN1
SIFIN2
GND
VIFIN1
VIFIN2
RFAGCOUT
VREC
AFTOUT
OSC2
OSC
VCC3
MIXEROUT
SDOUT
1stLimIN
1stLimAB
SMeterADJ
1stLimOUT
2ndLimIN
MUTEADJ2
MUTEADJ
SIFDET
VCC2
AFCOUT
AMDCOUT
AMDCDET
AFC
AMDCIN
SMETER
VCC1
VIF1
VIF2
SDCONT
AFTDET
Multi
VIDEO2
VIDEO1
MUTECONT1
AUDIO
MUTECONT2
AGC
TP512
TP513
TP515
TP516
TP517
TP518
TP519
TP520
TP514
TP521
VT402
NC
VR403
VR404
L406
CF403
IC406
NC
OUT GND IN
35mA
IC407
NC
IN GND OUT
110mA
IC408
NC
TP549
TP550
TP547
TP546
TP545
TP548
TP551
TP552
TP544
TP563
VIDEO
TP413
TVGND
R434
R433
R441
R435
R453
L405
R430
R423
R424
R425
R442
R443
R451
R454
R468
R470
R455
R436
R452
R457
R458
R459
R461
R450
R462
R469
R471
R472
R486
R475
R479
R476
R480
R473
C403
C471
C431
C433
C470
C413
C414
C411
C412
C422
C423
C472
C434
C440
C441
C439
C429
C430
C432
C446
C442
C447
C417
C450
C451
C452
C448
C453
C454
C455
E418
E419
E420
E412
E414
E422
E425
E423
E421
E428
L404
L402
L401
L403
VT401
IC409
NC
Vin1
SW1
Vin2
SW2
Vout
V+
Vin3
TP540
TP541
TP542
TP543
TP425
TP426
IF AUDIO
TP511
TP522
TP510
TP407
VIDEO
TP424
ATC
TVGND
IC410
NC
36mA
MODE
ATC
ASC
Lch
Rch
TP509
TP508
TP507
TP506
TP505
TP488
TP489
TP490
TP491
TP492
TP493
TP494
TP495
TP496
TP497
TP498
TP499
TP500
TP501
C435
C443
C436
C444
C437
C438
R463
R464
R465
C445
C449
C424
R474
R477
C427
R481
C460
C461
C462
R482
C463
R483
R478
C456
C464
C457
R484
R485
C458
C465
C459
TP128
TP125
TP126
TP124
TP127
TP120
TP121
TP118
TP135
TP134
TP133
TP130
TP129
L101
NC
TP464
TP467
TP468
TP456
TP465
TP470
TP471
TP472
TP473
TP475
TP105
TP474
TP459
TP460
TP461
TP462
TP463
R127
R133
R118
C105
R119
C106
C107
C115
C108
E109
R140
C114
R141
C116
VR101
IC101
NC
L-ch_IN
MPX
N.C
VCC
MPX_OUT
P-L_OUT
R-ch_IN
IN_AMP
GND
OSC_38
R128
R120
Q102
NC
R121
R122
R129
T101
C117
C109
E110
Q104
NC
R135
E116
VR102
R136
VD101
C118
VT101
NC
R123
C110
Q103
NC
C111
E112
C119
RA601
RA605
RA602
RA606
RA607
1K
ATT_ON
BST_ON
PLOCK
PLAT
PDATA
PCLK
SD
VSS
MAIN
SUB
BLING
STEREO
VOLRST
DIV
FMDATA



R423 NC
R424 NC
C413 NC
C470 NC
C414 NC
TP552
TVGND
R425 NC
C412 NC
R427 NC
IC406 NC
OUT GND IN
TP544
35mA
R442 NC
C422 NC
E414 NC
C423 NC
R443 NC
IC407 NC
IN GND OUT
R451 NC
C472 NC
E422 NC
110mA
R454 NC
C434 NC
R470 NC
TP512
VCC
VIF1
VIF2
SDCO
AFTO
MUTE
VIDEO
AUDIO
METER
C450 NC
TP513
R475 NC
NC VT402
TVGND
VR403 NC
R479 NC
L406 NC
CF403 NC
TP517
TP515
VR404 NC
E425 NC
TP516
TP519
C451 NC
C452 NC
R486 NC
R476 NC
TP520
C448 NC
TP426
IF AUDIO
TP540
E423 NC
Vin1
SW1
C453 NC
Vin2
SW2
Vin3
Vout
IC409 NC
R473 NC
C455 NC
C454 NC
TP541
TP542
TP543
TP511
R480 NC
TP425
E421 NC
TP407
VIDEO
E428 NC
TP510
E427 NC
R481 NC
C460 NC
C461 NC
C462 NC
TVGND
TP491
TP452
TP493
R482 NC
C463 NC
R483 NC
R478 NC
TP496
TP497
C464 NC
C457 NC
TP498
R484 NC
TP499
R485 NC
C458 NC
C465 NC
C459
TP514
TP518
TP521
TP128
TP125
TP126
TP124
TP127
TP120
TP121
TP116
L101 NC
TP464
TP467
TP468
TP456
TP465
VR101 NC
R128 NC
R120 NC
TP470
Q102 NC
R118
C105 NC
R119 NC
C106 NC
C107 NC
C115 NC
E109 NC
C108 NC
L-ch_IN
MPX
N.C
VCC
MPX_OUT
P-L_OUT
R-ch_IN
IN_AMP
GND
OSC_38
IC101 NC
R127 NC
R133 NC
R140 NC
C114 NC
R141 NC
C116 NC
TP459
TP469
R142 NC
E115 NC
TP460
C121 NC
TP461
TP463
C122 NC
R134 NC
TP462
XL101 NC
R129 NC
T101 NC
TP471
R121 NC
R122 NC
TP473
C109 NC
E110 NC
TP472
C117 NC
Q104 NC
R135 NC
TP105
VR102
E116 NC
R143 NC
R144 NC
C123 NC
TP474
R136 NC
VD101 NC
VD102 NC
TP475
C118 NC
NC VT101
R123 NC
C110 NC
Q103 NC
C111 NC
C124 NC
R145 NC
E112 NC
C119 NC
GPOW
TP452
L103 NC
TP453
L102 NC
TP449
IC109 NC
IN GND OUT
MPOW9V
R185 NC
R186 NC
E123 NC
C128 NC
TP451
C146 NC
C147 NC
C148 NC
VSS
PD2
PD1
VDD
FMIN
AMIN
P3
IC106 NC
XOUT
XIN
CE
CK
DA
P4
P1
P2
TP450
R166 NC
XL102 NC
C136 NC
C137 NC
TP448
NC D102
R158 NC
R159 NC
R160 NC
R153 NC
Q105 NC
C132 NC
E124 NC
R154 NC
R152 NC
R153 NC
R151 NC
Q108 NC
TP454
R171 NC
D103 NC
GPOW
C133 NC
TP455
CF101 NC
C139 NC
C140 NC
C141 NC
CF102 NC
C142 NC
R173 NC
R155 NC
C129 NC
TP458
Q106 NC
R157 NC
R164 NC
C130 NC
L104 NC
TP456
C134 NC
NC Q107
TP457
TP135
TP134
TP133
TP130
TP131
TP129
RA607 1K
TP132
RA610 1K
R539 NC
C604
18P 50V
C605
18P 50V
XL601 12.0MHz
R618 0
CP124
RA611 1K
TP136
TP137
TP138
R666 47K
TP139
TP148
TP112
TP144
TP145
TP116
RA601 NC
RA605 NC
RA602 NC
RA606
(51) ATT_ON
BST_ON (50)
PLOCK (49)
PLAT (48)
PDATA (47)
PCLK (46)
SD (45)
VSS (44)
MAIN (43)
SUB (42)
BLINC (41)
STEREO (40)
VOLRST (39)
(52) DIV
(53) FMDATA
(54) FMCLK
(55) FMCE
(56) FMACT
(57) VSS
(58) REMOCON(N)
(59) REMOCON(1)
(60) REMOCON(2)
(61)
(62) STBY
RESET (63) RESET
(64) NC
(65) VSS
(66) EXTAL
(67) XTAL
(68) VDD
(69) HAND PARK
(70) FOOT PARK
(71) GUIDCTL
(72) DISPCTL
(73) MD0
(74) MD1
(75) MD2
(76) AVDD
(77) VREF
(78) NRGB
(79) SM
(80) RFAGC
(81) DIM
(82) NC
(83) NC
(84) NC
(85) NC
(86) AVSS
(87) BAT-DET
R640 1K
R641 1K
R642 1K
R643 1K
C602 0.022 25V
ZD608
H


Q109
MULTIPLEXER CONTROL
Q110,111
VPOW SWITCH
VPOW
IC105
TC74HC4052AFT
MULTIPLEXER
IC102
CXA1846AN
ELECTRONICS VOLUME
IC104
NJM4580V
OPE AMP
IC107
NJM4580V
OPE AMP
IC103
NJM4580V
OPE AMP
IC108
NJM2130F
OPE AMP
Q109
UN9212J
Q110
UN9212J
Q111
UMC2N
D101
MA132WA
Q101
XN0F256
SOUND MUTE
Q112
DTC343TK
SOUND MUTE
D104
MA113
IC109
NC
IN GND OUT
IC106
NC
XL101
NC
XL102
NC
CF101
NC
CF102
NC
XL601
12.0MHz
CP12A
MPOW9V
GPOW
SGND
AGND
FMCE
FMACT
VSS
REMOCON(N)
REMOCON(1)
REMOCON(2)
STBY
RESET
NC
VSS
EXTAL
XTAL
VDD
HAND PARK
FOOT PARK
GUIDCTL
DISPCTL
MD0
MD1
MD2
AVDD
VREF
NRGB
SM
RFAGC
DIN
AVSS
BAT-DET
BK1608HM102-T
L602
VCC
VCT
GND
NC
OUT1
VRIN1
INAO1
VCT1
INN1
INP1
INIT
CLK
DATA
CE
OUT2
VRIN2
INAO2
VCT2
INN2
INP2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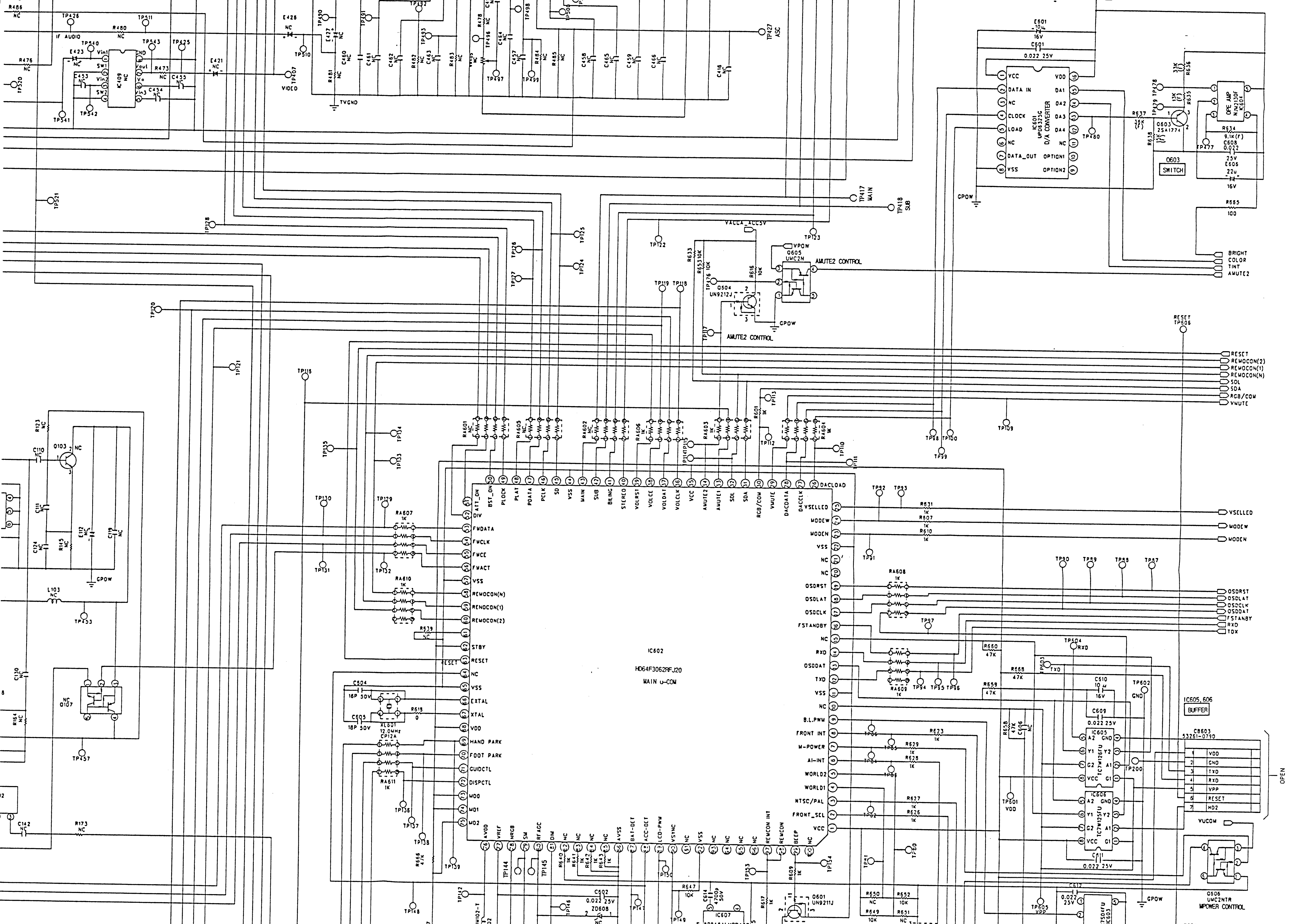
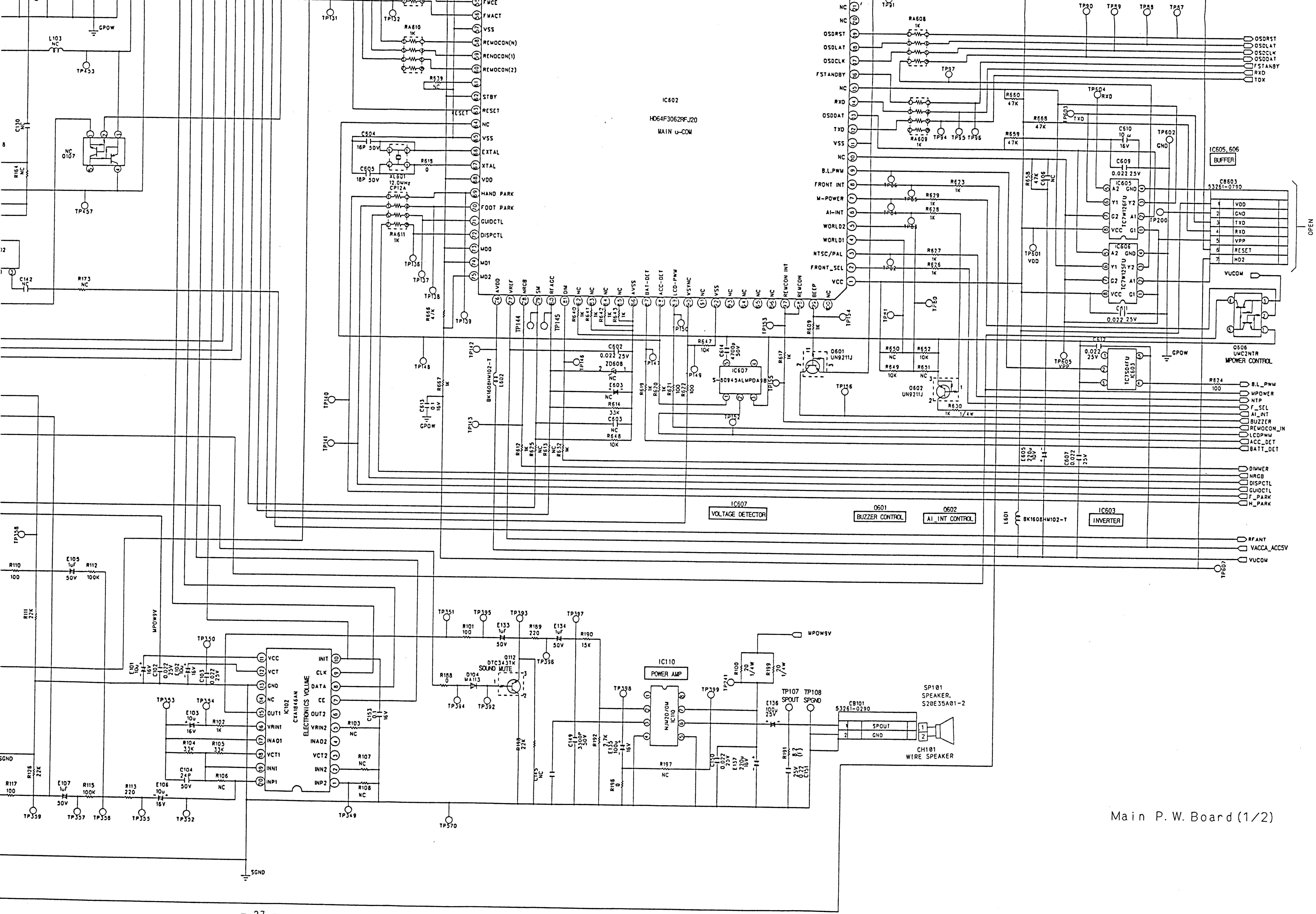
L-FRONT
TP416
R-FRONT
TV_V
TV_L
TV_R
MPOW9V
VPOW
MPOWER
TP502
TP503
TP486
TP487
TP485
TP482
TP483
TP484
R432
NC
R446
E410
E417
IC403
IC404
OUT GND IN
TP410
TVGND
Q402
Q404
R408
R409
R410
R411
R412
R416
C401
C404
C405
C467
E403
E404
E405
70mA
75mA
VACCA_ACC5V
E601
10μ
16V
C601
0.022 25V
IC601
UPD6325G
D/A CONVERTER
VCC
DATA IN
NC
CLOCK
LOAD
DATA_OUT
VSS
VDD
DA1
DA2
DA3
DA4
OPTION1
OPTION2
GPOW
TP480
R637
R638
Q603
2SA1774
Q603
SWITCH
R635
R636
33K
13K
TP478
TP479
TP477
R634
9.1K(F)
C608
0.022
25V
E606
22u
16V
IC604
OPE AMP
NJM2130F
R655
100
BRIGHT
COLOR
TINT
AMUTE2
IC410
NC
36mA
MODE
ATC
ASC
Lch
Rch
TP424
ATC
TVGND
TP504
TP505
TP506
TP507
TP508
TP509
TP488
TP489
TP490
TP491
TP492
TP493
TP494
TP495
TP496
TP497
TP498
TP499
TP500
TP501
TP427
ASC
TP510
E428
E427
E424
C449
R474
R477
R478
R481
R482
R483
R484
R485
R463
R464
R465
R466
R467
C435
C436
C437
C438
C443
C444
C445
C446
C456
C457
C458
C459
C460
C461
C462
C463
C464
C465
C466
C418
TP420
VREF
TP421
MUTE
TP523
TP522
TP520
TP521
R460
R461
R462
C442
VT401
R469
C447
C417
TVGND
R471
R472
R486
R476
TP426
IF AUDIO
R480
TP511
TP540
TP541
TP542
TP543
TP425
E423
C453
C454
C455
IC409
Vin1
SW1
Vin2
SW2
Vin3
GND
Vout
V+
R473
E421
TP407
VIDEO
TP417
MAIN
TP418
SUB
TP128
TP125
TP126
TP127
TP124
TP122
TP123
VACCA_ACC5V
VPOW
Q605
UMC2N
AMUTE2 CONTROL
R633
R653
10K
R616
10K
TP476
Q504
UN9212J
GPOW
TP119
TP118
TP117
AMUTE2 CONTROL
TP120
TP121
TP116
RESET
TP606
RESET
REMOCON(2)
REMOCON(1)
REMOCON(N)
SDL
SDA
RGB/COM
VMUTE
R123
C110
Q103
C111
C112
C119
TP135
TP134
TP133
TP130
TP129
RA607
1K
RA601
RA605
RA602
RA606
RA603
RA604
R601
1K
TP112
TP113
TP114
TP115
TP110
TP111
TP98
TP100
TP99
TP109
TP92
TP93
ATT_ON
BST_ON
PLOCK
PLAT
PDATA
PCLK
SD
VSS
MAIN
SUB
BLNG
STEREO
VOLRST
VOLCE
VOLDAT
VOLCLK
VCC
AMUTE2
AMUTE1
SDL
SDA
RGB/COM
VMUTE
DACDATA
DACCLK
DACLOAD
DIV
FMDATA
FMCLK
VSELLED
MODEW
MODEN
R631
R607
R610
1K
VSELLED
MODEW
MODEN

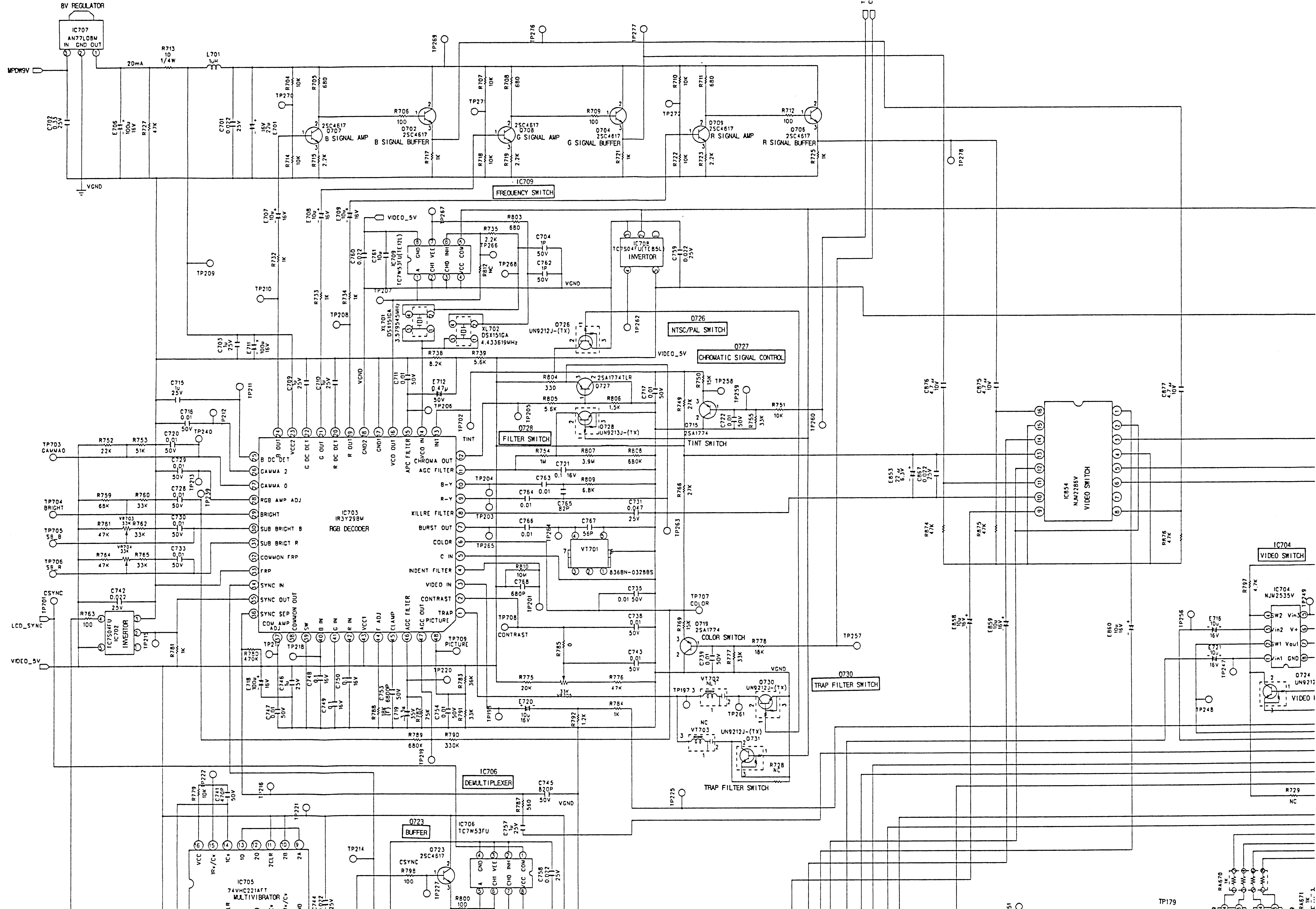


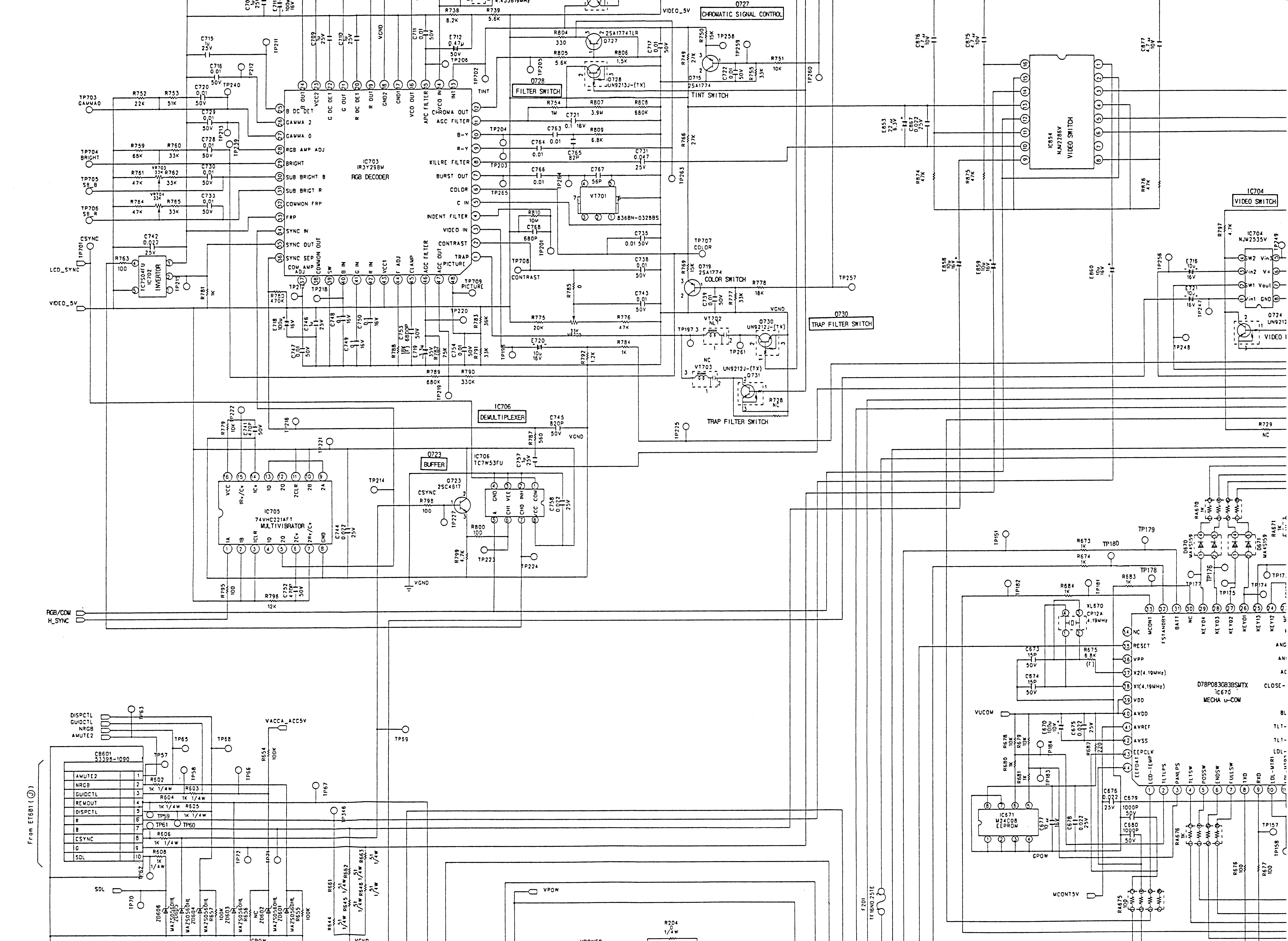
IC602
HD64F3062RFJ20
MAIN u-COM
IC601
UPD6325G
D/A CONVERTER
VCC
DATA IN
NC
CLOCK
LOAD
DATA_OUT
VSS
VDD
DA1
DA2
DA3
DA4
OPTION1
OPTION2
OPE AMP
NJM2130F
IC604
Q603
2SA1774
SWITCH
GPOW
TVGND
VIDEO
IF AUDIO
IC409
TP427
ASC
TP417
MAIN
TP418
SUB
VACCA_ACC5V
VPOW
Q605
UMC2N
AMUTE2 CONTROL
Q504
UN9212J
BRIGHT
COLOR
TINT
AMUTE2
RESET
TP606
RESET
REMOCON(2)
REMOCON(1)
REMOCON(N)
SOL
SDA
RGB/COM
VMUTE
ATT_ON
BST_ON
PLOCK
PLAT
PDATA
PCLK
SD
VSS
MAIN
SUB
BLING
STEREO
VOLRST
VOLCE
VOLDAT
VOLCLK
VCC
AMUTE2
AMUTE1
SOL
SDA
RGB/COM
VMUTE
DACDATA
DACCLK
DACLOAD
VSELLED
MODEW
MODEN
VSS
NC
OSDRST
OSDLAT
OSDCLK
FSTANDBY
RXD
OSDDAT
TXD
B.L.PWM
FRONT INT
M-POWER
AI-INT
WORLD2
WORLD1
NTSC/PAL
FRONT_SEL
DIV
FMDATA
FMCLK
FMCE
FMACT
REMOCON(N)
REMOCON(1)
REMOCON(2)
STBY
RESET
EXTAL
XTAL
VDD
HAND PARK
FOOT PARK
GUIDCTL
DISPCTL
MD0
MD1
MD2
AVDD
VREF
NRGB
SM
RFACC
DIM
AVSS
BAT-DET
ACC-DET
LCD-PWM
VSYNC
REMCON INT
REMCON
BEEP
VSELLED
MODEW
MODEN
OSDRST
OSDLAT
OSDCLK
OSDDAT
FSTANBY
RXD
TDX
XL601
12.0MHz
C504
16P 50V
C605
18P 50V
IC605, 606
BUFFER
CN603
53251-0790
VDD
GND
TXD
RXD
VPP
RESET
MD2
OPEN
IC605
TC7W126FU
IC606
TC7W125FU
A2
GND
Y1
Y2
G2
A1
VCC
G1
VUCOM
Q506
UMC2NTR
MPOWER CONTROL
Q601
UN9211J
IC607
ZD608
Q103
Q107
L103
TP501
VDD
TP605
VPP
TP504
RXD
TP603
TXD
TP602
GND
TP200


IC602
HD64F3062RFJ20
MAIN u-COM
XL601
12.0MHz
IC605, 606
BUFFER
IC605
TC7W126FU
IC606
TC7W125FU
CB603
53261-0790
VDD
GND
TXD
RXD
VPP
RESET
HD2
OPEN
Q606
UMC2NTR
MPOWER CONTROL
IC603
TC7S04FU
INVERTER
IC607
S-80945ALMPDA9B
VOLTAGE DETECTOR
Q601
UN9211J
BUZZER CONTROL
Q602
UN9211J
AI_INT CONTROL
L601
BK1608HM102-T
L602
BK1608HM102-T
OSDRST
OSDLAT
OSDCLK
OSDDAT
FSTANBY
RXD
TXD
B.L_PWM
MPOWER
NTP
F_SEL
AI_INT
BUZZER
REMOCON_IN
LCDPWM
ACC_DET
BATT_DET
DIMMER
NRGB
DISPCTL
GUIDCTL
F_PARK
H_PARK
RFANT
VACCA_ACC5V
VUCOM
GPOW
SGND
MPOW9V
IC102
CXA1846AN
ELECTRONICS VOLUME
IC110
NJM2070M
POWER AMP
Q112
DTC343TK
SOUND MUTE
D104
MA113
CB101
53261-0290
SPOUT
GND
SP101
SPEAKER,
S20E35A01-2
CH101
WIRE SPEAKER
TP107
SPOUT
TP108
SPGND

Main P. W. Board (1/2)

Schematic Diagram (2/7)


8V REGULATOR
IC707 AN77L08M
IN GND OUT
MPDW9V
VGND
R713 10 1/4W
L701 1uH
20mA
C702 0.33 25V
E706 100u 16V
R727 47K
C701 0.022 25V
E701 16V 25V
TP269
TP276
TP277
TINT
COLOR
R704 10K
R705 680
TP270
R706 100
Q707 2SC4617 B SIGNAL AMP
Q702 2SC4617 B SIGNAL BUFFER
R714 10K
R715 2.2K
R717 1K
R707 10K
R708 680
TP271
R709 100
Q708 2SC4617 G SIGNAL AMP
Q704 2SC4617 G SIGNAL BUFFER
R718 10K
R719 2.2K
R721 1K
R710 10K
R711 680
TP272
R712 100
Q709 2SC4617 R SIGNAL AMP
Q706 2SC4617 R SIGNAL BUFFER
R722 10K
R723 2.2K
R725 1K
TP278
IC709 FREQUENCY SWITCH
E707 10u 16V
E708 10u 16V
E709 10u 16V
VIDEO_5V
TP267
R803 680
R735 2.2K
TP266
IC709 TC7W53FU(TE12L)
GND VEE INH COM
A CH1 CH0 VCC
C761 10u
C760 0.022
R812 NC
TP268
C704 1P 50V
C762 1P 50V
VGND
IC708 TC7S04FU(TE85L) INVERTOR
C759 0.022 25V
TP209
R732 1K
TP210
R733 1K
R734 1K
TP207
TP208
XL701 DSX151GA 3.579545MHz
XL702 DSX151GA 4.433619MHz
Q725 UN9212J-(TX)
TP262
Q726 NTSC/PAL SWITCH
Q727 CHROMATIC SIGNAL CONTROL
VIDEO_5V
C703 1u 25V
E711 100u 16V
R738 8.2K
R739 5.6K
C715 1u 25V
TP211
C709 1u 25V
C710 1u 25V
VGND
C711 0.01 50V
E712 0.47u 50V
TP206
R804 330
Q727 2SA1774TLR
R805 5.6K
R806 1.5K
C717 0.01 50V
R750 15K
TP258
TP259
R749 27K
Q715 2SA1774
TINT SWITCH
C722 0.01 50V
R755 33K
R751 10K
TP260
TP205
Q728 UN9213J-(TX)
Q728 FILTER SWITCH
TP702 TINT
C716 0.01 50V
P212
TP240
C720 0.01 50V
TP703 GAMMA0
R752 22K
R753 51K
C729 0.01 50V
TP213
C728 0.01 50V
TP239
TP704 BRIGHT
R759 68K
R760 33K
TP705 SB_B
R761 47K
VR703 33K
R762 33K
C730 0.01 50V
TP706 SB_R
R764 47K
VR704 33K
R765 33K
C733 0.01 50V
CSYNC
TP701
LCD_SYNC
VIDEO_5V
C742 0.022 25V
R763 100
IC702 TC7S04FU INVERTOR
TP215
R781 1K
IC703 IR3Y29BM RGB DECODER
B OUT VCC2 G DC DET G OUT R DC DET R OUT GND2 GND1 VCO OUT APC FILTER VCO IN INT1
B DC DET
GAMMA 2
GAMMA 0
RGB AMP ADJ
BRIGHT
SUB BRIGHT B
SUB BRIGT R
COMMON FRP
FRP
SYNC IN
SYNC OUT
SYNC SEP
COM AMP ADJ
COMMON OUT
SW B IN G IN R IN VCC1 F ADJ CLAMP AGC FILTER ACC OUT
CHROMA OUT
AGC FILTER
B-Y
R-Y
KILLRE FILTER
BURST OUT
COLOR
C IN
INDENT FILTER
VIDEO IN
CONTRAST
TRAP
PICTURE
R754 1M
C721 0.1 16V
R807 3.9M
R808 680K
TP204
C763 0.01
R809 6.8K
C764 0.01
C765 82P
C731 0.047 25V
TP203
C766 0.01
C767 56P
TP264
VT701 836BN-0328BS
TP265
R810 10M
C768 680P
TP201
C735 0.01 50V
TP707 COLOR
R768 27K
TP263
TP708 CONTRAST
C738 0.01 50V
R769 15K
Q719 2SA1774 COLOR SWITCH
R778 18K
TP257
C739 0.01 50V
R777 33K
C743 0.01 50V
VGND
R785 0
TP709 PICTURE
R780 470K
TP217
TP218
E718 100u 16V
C746 1u 25V
C748 0.01
C750 0.01 16V
C747 0.01 50V
C749 0.01 16V
R788 18K
C753 6800P 50V
E719 1u 35V
R782 75K
C754 0.01
R791 33K
R783 36K
TP220
R775 20K
VR705 33K
R776 47K
TP197
VT702 NL1
Q730 UN9212J-(TX)
TP261
Q730 TRAP FILTER SWITCH
TP198
E720 10u 16V
R784 1K
R792 1.2K
R789 680K
R790 330K
TP219
NC
VT703
UN9212J-(TX) Q731
R728 NC
TRAP FILTER SWITCH
TP275
IC706 DEMULTIPLEXER
C745 820P 50V
VGND
R787 560
TP216
R779 10K
TP222
C741 470P 50V
TP221
Q723 BUFFER
IC706 TC7W53FU
C757 1u 25V
TP214
CSYNC
Q723 2SC4617
R798 100
TP227
R800 100
C758 0.022 25V
GND VEE INH COM
A CH1 CH0 VCC
VCC 1Rx/Cx 1Cx 1Q 2Q 2CLR 2B 2A
IC705 74VHC221AFT MULTIVIBRATOR
C744 0.022 25V
C876 4.7u 10V
C875 4.7u 10V
C877 4.7u 10V
E853 22u 6.3V
C867 0.022 25V
IC854 NJM2286V VIDEO SWITCH
R874 47K
R875 47K
R876 47K
E858 10u 16V
E859 10u 16V
E860 10u 16V
IC704 VIDEO SWITCH
R797 4.7K
IC704 NJM2535V
SW2 Vin3 Vin2 V+ SW1 Vout Vin1 GND
TP249
TP256
E716 10u 16V
E721 10u 16V
TP247
Q724 UN9212
VIDEO
TP248
R729 NC
RA670 1K
RA671 1K
TP179


0727
CHROMATIC SIGNAL CONTROL
0728
FILTER SWITCH
TINT SWITCH
IC703
IR3Y29BM
RGB DECODER
COLOR SWITCH
0730
TRAP FILTER SWITCH
TRAP FILTER SWITCH
IC706
DEMULTIPLEXER
IC706
TC7W53FU
0723
BUFFER
0723
2SC4617
IC705
74VHC221AFT
MULTIVIBRATOR
IC702
TC7S04FU
INVERTER
IC854
NJM2286V
VIDEO SWITCH
IC704
VIDEO SWITCH
IC704
NJM2535V
D78P083GB3BSMTX
IC670
MECHA u-COM
IC671
M24C08
EEPROM
XL670
CP12A
4.19MHz
CB601
53398-1090
From ET601 (J)
AMUTE2
NRGB
GUIDCTL
REMOUT
DISPCTL
R
B
CSYNC
G
SDL
TP703 GAMMA0
TP704 BRIGHT
TP705 SB_B
TP706 SB_R
TP701 CSYNC
LCD_SYNC
VIDEO_5V
RGB/COM
H_SYNC
VACCA_ACC5V
VPOW
VUCOM
MCONT5V
VGND
GPOW
TP707 COLOR
TP708 CONTRAST
TP709 PICTURE
TP702 TINT
TP257
VT701
836BN-0328BS
VT702
VT703
2SA1774TLR
2SA1774
UN9213J-(TX)
UN9212J-(TX)
0719 2SA1774
R738 8.2K
R739 5.6K
R804 330
R805 5.6K
R806 1.5K
R750 15K
R749 27K
R751 10K
R752 22K
R753 51K
R759 68K
R760 33K
R761 47K
R762 33K
R764 47K
R765 33K
R763 100
R754 1M
R807 3.9M
R808 680K
R809 6.8K
R766 27K
R810 10M
R769 15K
R778 18K
R777 33K
R775 20K
R776 47K
R785 0
R784 1K
R780 470K
R781 1K
R789 680K
R790 330K
R792 1.2K
R783 36K
R779 10K
R787 560
R798 100
R800 100
R799 4.7K
R795 100
R796 12K
R729 NC
R728 NC
R797 4.7K
R874 47K
R875 47K
R876 47K
R673 1K
R674 1K
R683 1K
R684 1K
R675 6.8K
R678 10K
R679 10K
R680 1K
R681 1K
R682 220
R676 100
R677 100
R502 1K 1/4W
R603 1K 1/4W
R604 1K 1/4W
R605 1K 1/4W
R606 1K 1/4W
R608 1K 1/4W
R654 100K
R204 1/4W
F201
TF1608.25TE
D670 MA4S159
D671 MA4S159
RA670 1K
RA671 1K
RA675 100
RA676 1K
ZD608 MAZS0560HL
ZD605 MAZS0560HL
ZD604 MAZS0560HL
ZD603
ZD602
ZD601 MAZS0560HL
C715 1u 25V
C716 0.01 50V
C720 0.01 50V
C729 0.01 50V
C728 0.01 50V
C730 0.01 50V
C733 0.01 50V
C742 0.022 25V
E712 0.47u 50V
C717 0.01 50V
C722 0.01 50V
C721 0.1 16V
C763
C764 0.01
C765 82P
C731 0.047 25V
C766 0.01
C767 56P
C768 680P
C735 0.01 50V
C738 0.01 50V
C743 0.01 50V
C739 0.01 50V
E720 10u 16V
E718 100u 16V
C746 1u 25V
C748
C750
C753 6800P 50V
C754 0.01 50V
C747 0.01 50V
C749
C745 820P 50V
C757 1u 25V
C758 0.022 25V
C741 470P 50V
C744 0.022 25V
C752 470P 50V
E716 10u 16V
E721 10u 16V
E853
C867 0.022 25V
C876 4.7u 10V
C875 4.7u 10V
C877 4.7u 10V
E858 10u 16V
E859 10u 16V
E860 10u 16V
C673 15P 50V
C674 15P 50V
E670 10u 16V
C675 0.022 25V
C676 0.022 25V
C677 10u 16V
C678 0.022 25V
C679 1000P 50V
C680 1000P 50V
B DC DET
GAMMA 2
GAMMA 0
RGB AMP ADJ
BRIGHT
SUB BRIGHT B
SUB BRIGT R
COMMON FRP
FRP
SYNC IN
SYNC OUT
SYNC SEP
COM AMP ADJ
COMMON OUT
SW
B IN
G IN
R IN
VCC1
F ADJ
CLAMP
AGC FILTER
ACC FILTER
PICTURE
B OUT
VCC2
G DC DET
G OUT
R DC DET
R OUT
GND2
GND1
VCO OUT
APC FILTER
VCO IN
INT
CHROMA OUT
AGC FILTER
B-Y
R-Y
KILLRE FILTER
BURST OUT
COLOR
C IN
INDENT FILTER
VIDEO IN
CONTRAST
TRAP
VCC
1Rx/Cx
1Cx
1Q
2Q
2CLR
2B
2A
1A
1B
1CLR
2Cx
2Rx/Cx
GND
VEE
INH
COM
CH1
CH0
A
SW2
Vin3
Vin2
V+
SW1
Vout
Vin1
0724
VIDEO
NC
RESET
VPP
X2(4.19MHz)
X1(4.19MHz)
VDD
AVDD
AVREF
AVSS
EEPCLK
EEPDAT
MCON1
FSTANDBY
BAT1
KEY04
KEY03
KEY02
KEY01
KEY13
KEY12
LCD-TEMP
TLTLPS
PANLPS
TLTSW
POSSW
ENDSW
FULLSW
TXD
RXD
LDL-MTR1
CLOSE-
TP151
TP179
TP180
TP178
TP177
TP176
TP175
TP174
TP182
TP181
TP183
TP184
TP157
TP158
TP63
TP65
TP68
TP57
TP58
TP66
TP67
TP59
TP60
TP61
TP62
TP70
TP72
TP346
TP197
TP198
TP199
TP200
TP201
TP203
TP204
TP205
TP206
TP211
TP212
TP213
TP214
TP215
TP216
TP217
TP218
TP219
TP220
TP221
TP222
TP223
TP224
TP225
TP227
TP239
TP240
TP247
TP248
TP249
TP256
TP258
TP259
TP260
TP261
TP263
TP264
TP265
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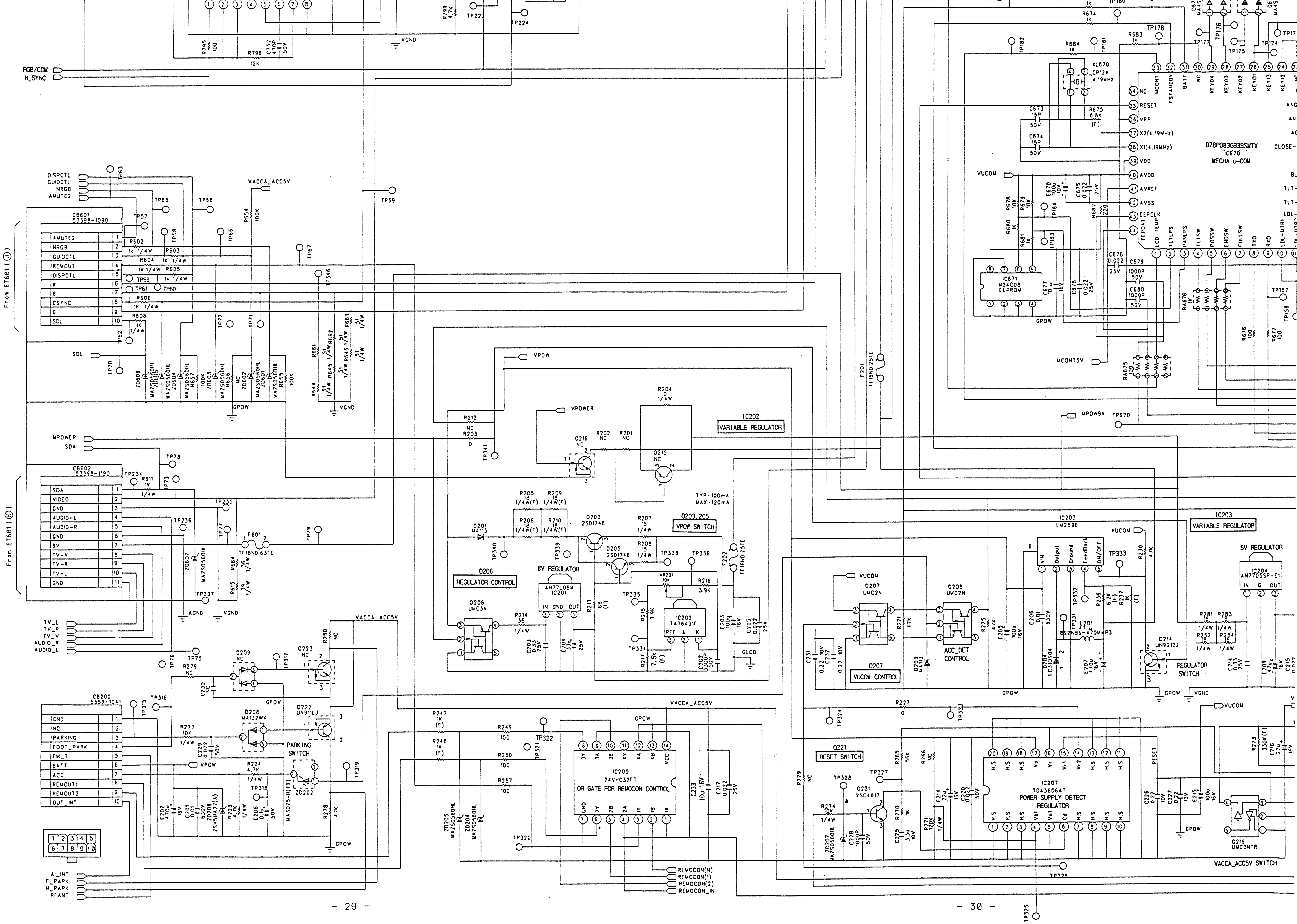
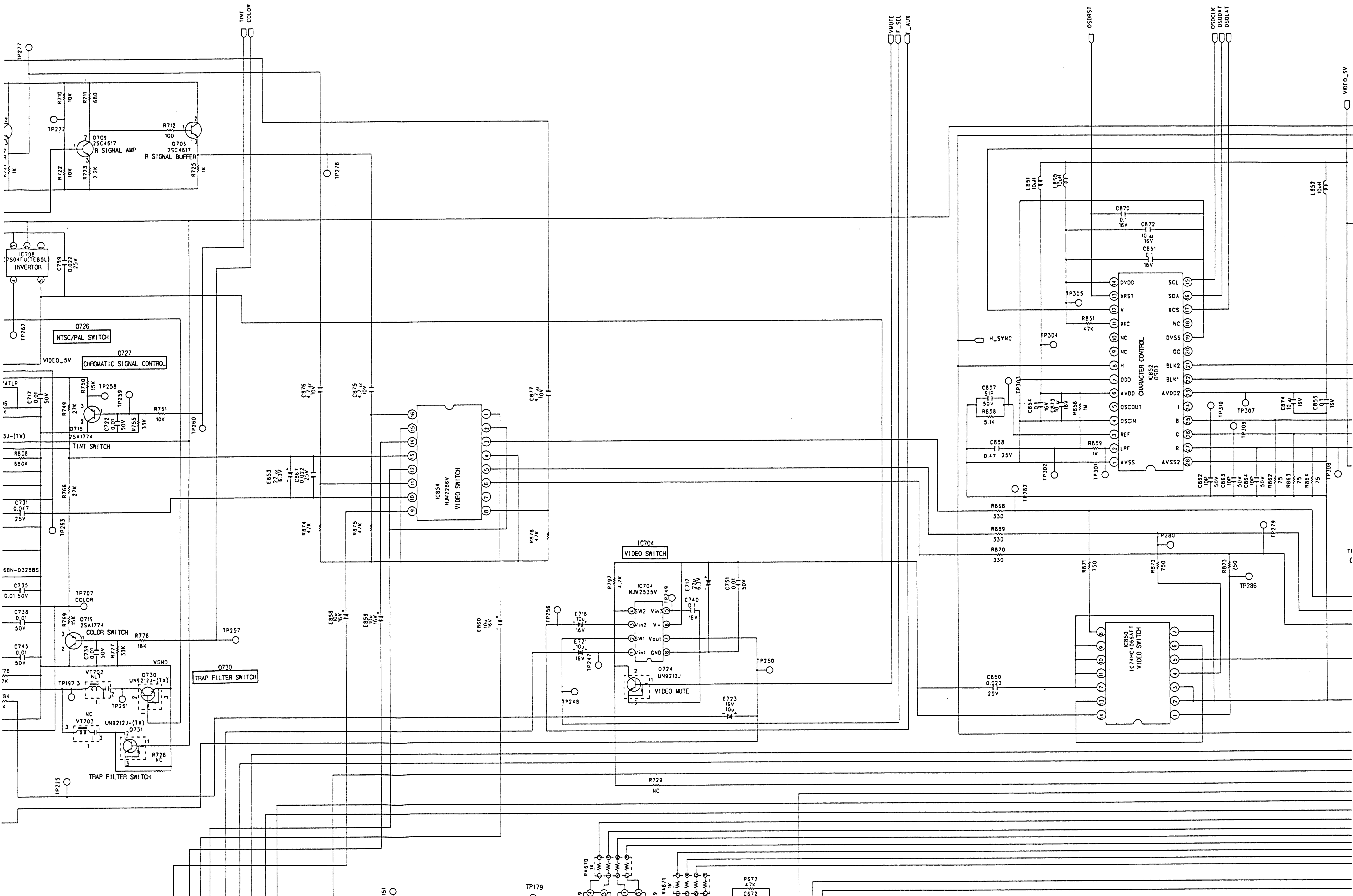
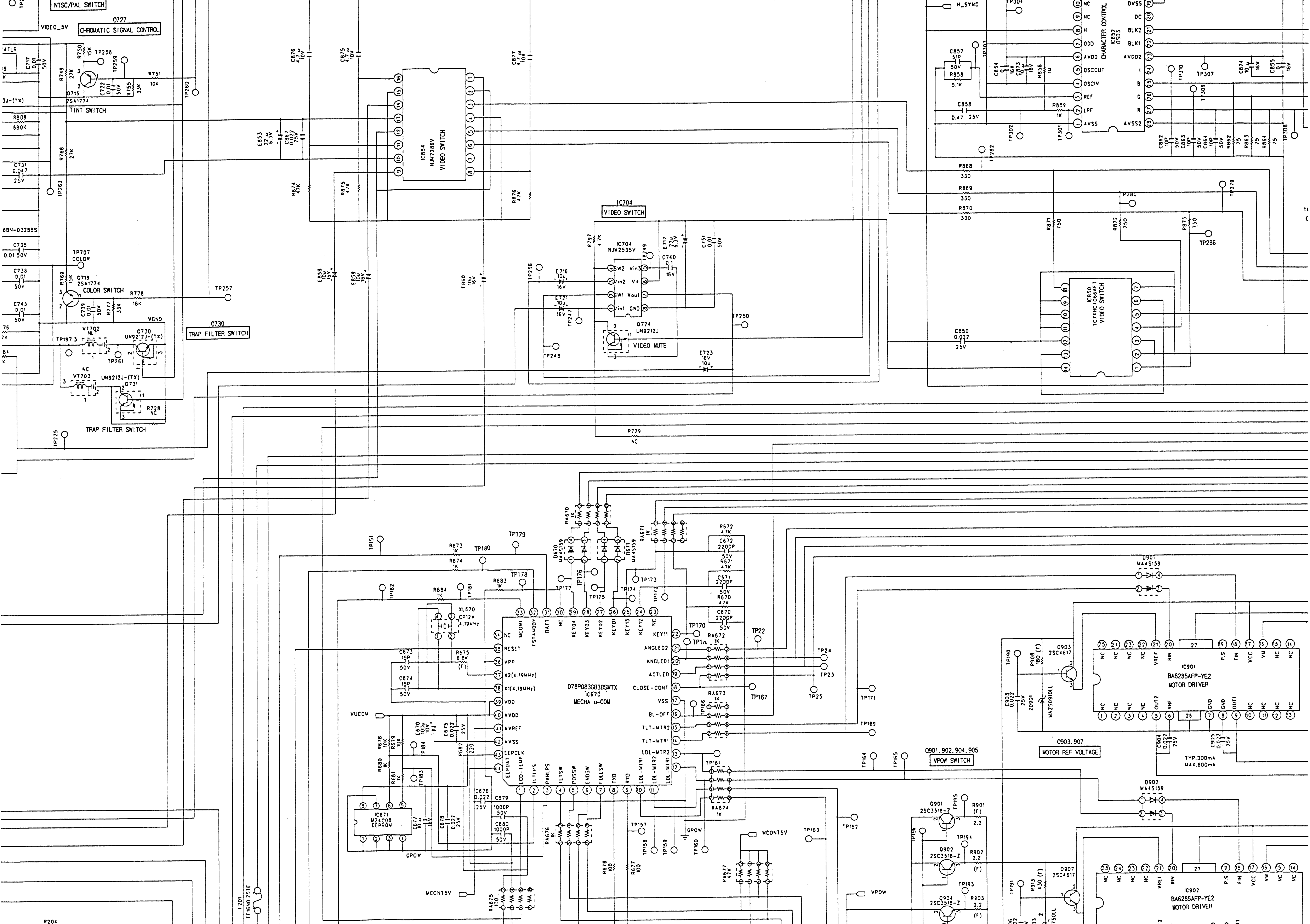
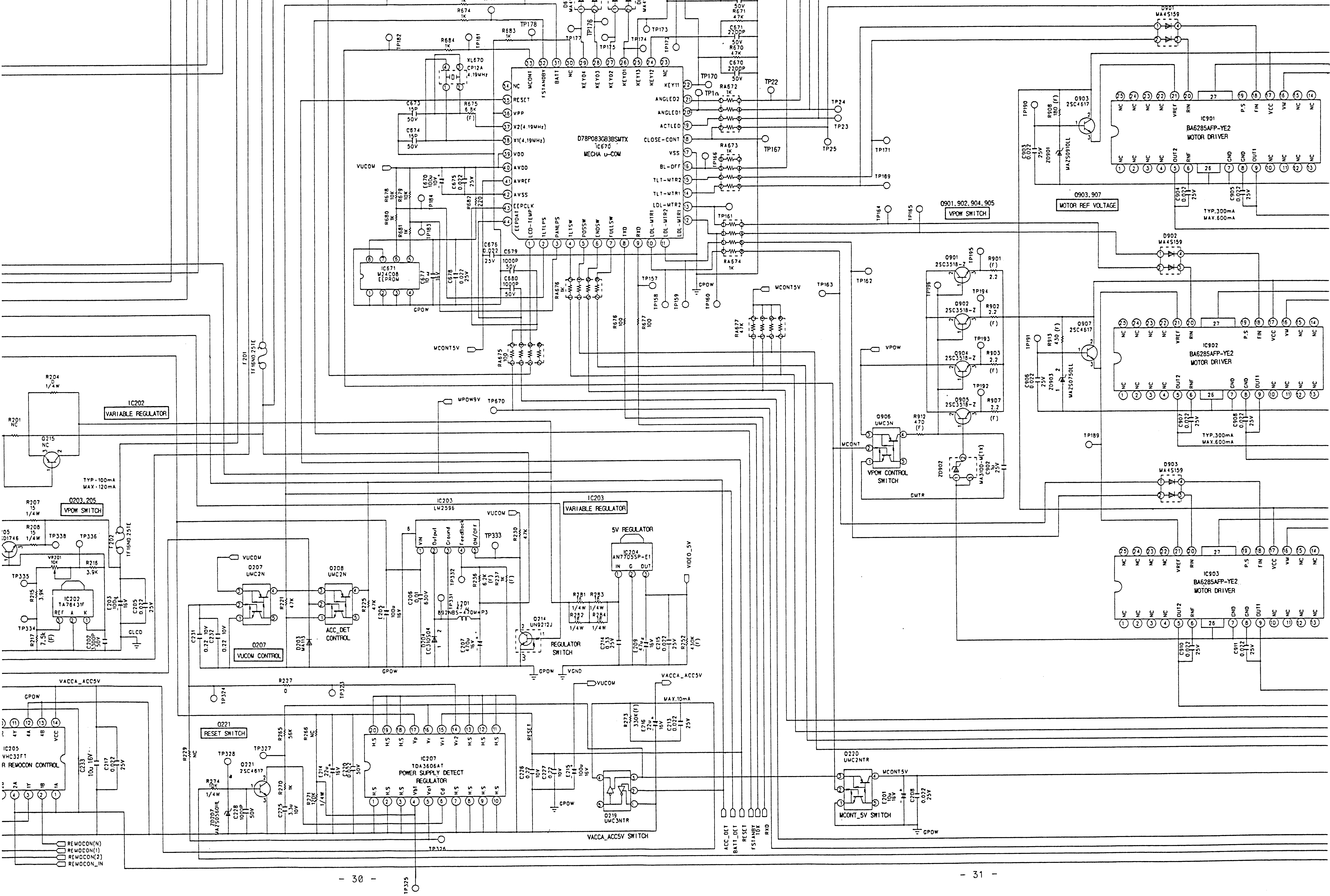
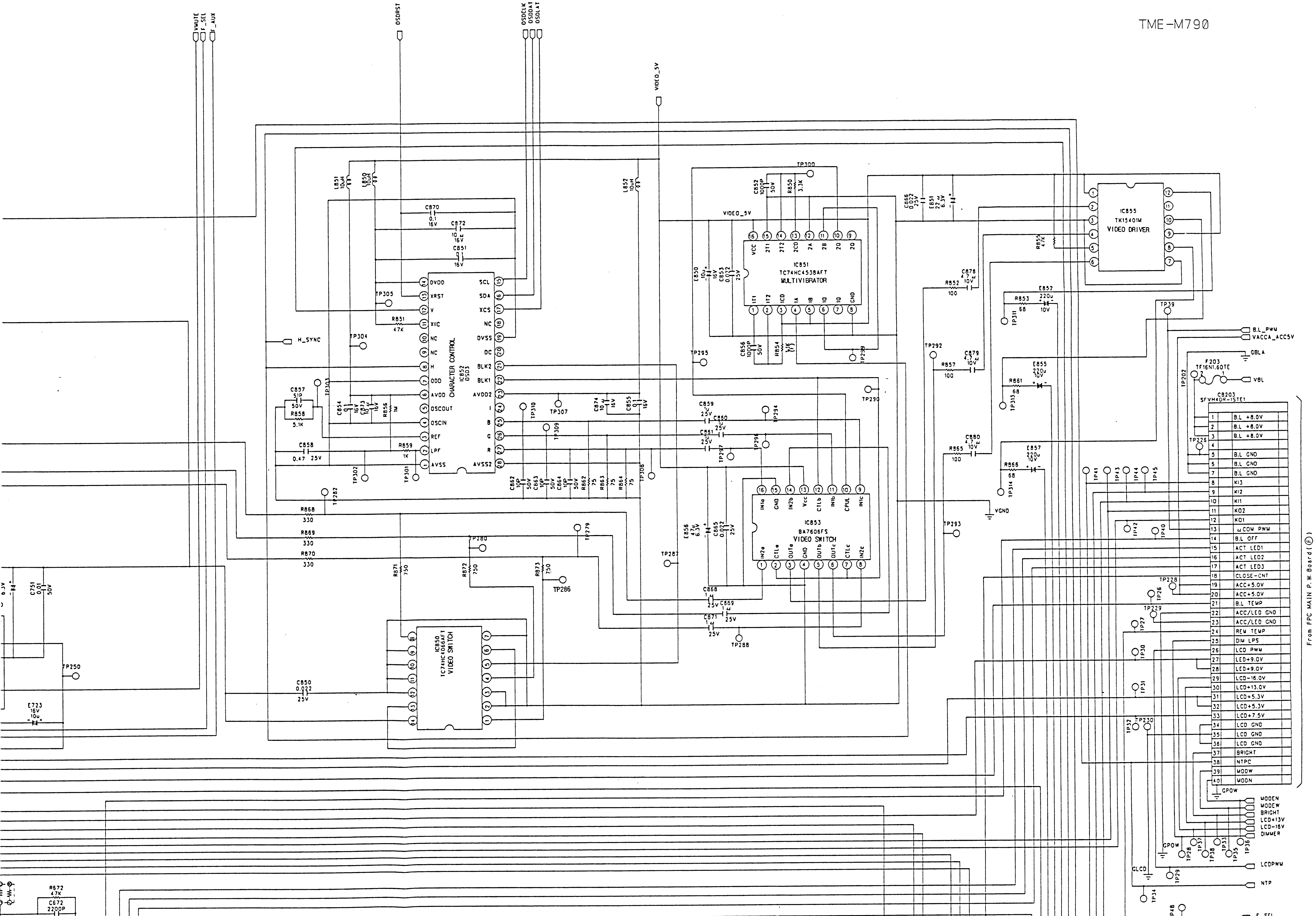
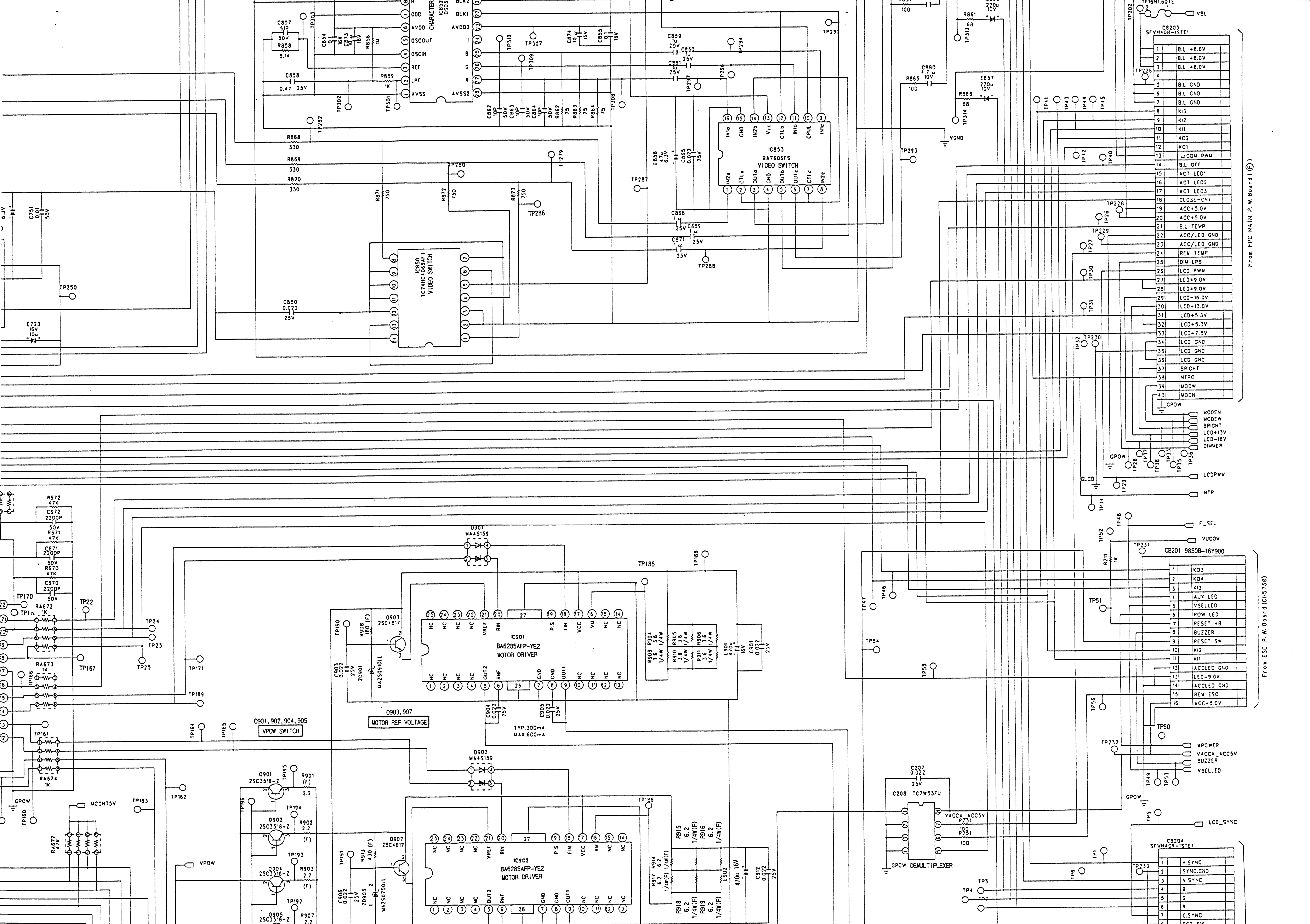

RGB/COM
H_SYNC
DISPCTL
GUIDCTL
NRGB
AMUTE2
CB601
53398-1090
AMUTE2
NRGB
GUIDCTL
REMOUT
DISPCTL
R
B
CSYNC
G
SDL
From ET601(J)
SDL
VACCA_ACC5V
MPOWER
SDA
CB602
53398-1190
SDA
VIDEO
GND
AUDIO-L
AUDIO-R
GND
9V
TV-V
TV-R
TV-L
GND
From ET601(K)
F601
TF16ND.631E
AGND
VGND
GPOW
TV_L
TV_R
TV_V
AUDIO_R
AUDIO_L
CB202
5559-10A1
GND
NC
PARKING
FOOT_PARK
FM_T
BATT
ACC
REMOUT1
REMOUT2
OUT_INT
PARKING SWITCH
AI_INT
F_PARK
H_PARK
RFANT
VPOW
MPOWER
IC202
VARIABLE REGULATOR
Q206
REGULATOR CONTROL
8V REGULATOR
AN77L08M
IC201
Q203,205
VPOW SWITCH
TYP・100mA
MAX・120mA
TA78431F
IC202
F201
TF16ND.251E
F202
TF16ND.251E
GLCD
VACCA_ACC5V
IC205
74VHC32FT
OR GATE FOR REMOCON CONTROL
REMOCON(N)
REMOCON(1)
REMOCON(2)
REMOCON_IN
VUCOM
Q207
UMC2N
Q207
VUCOM CONTROL
Q208
UMC2N
ACC_DET
CONTROL
IC203
LM2596
VIN
Output
Ground
FeedBack
ON/OFF
IC203
VARIABLE REGULATOR
5V REGULATOR
IC204
AN7705SP-E1
IN G OUT
Q214
UN9212J
REGULATOR
SWITCH
Q221
RESET SWITCH
IC207
TDA3606AT
POWER SUPPLY DETECT
REGULATOR
Q219
UMC3NTR
VACCA_ACC5V SWITCH
IC671
M24C08
EEPROM
D78P083GB3BSMTX
IC670
MECHA u-COM
XL670
CP12A
4.19MHz
NC
RESET
VPP
X2(4.19MHz)
X1(4.19MHz)
VDD
AVDD
AVREF
AVSS
EEPCLK
EEPDAT
MCONT
FSTANDBY
BATT
KEY04
KEY03
KEY02
KEY01
KEY13
KEY12
LCD-TEMP
TLTLPS
PANLPS
TLTSW
POSSW
ENDSW
FULLSW
TXD
RXD
LDL-MIRI
MCONT5V
MPOW9V
VUCOM
CLOSE-
GPOW
VGND

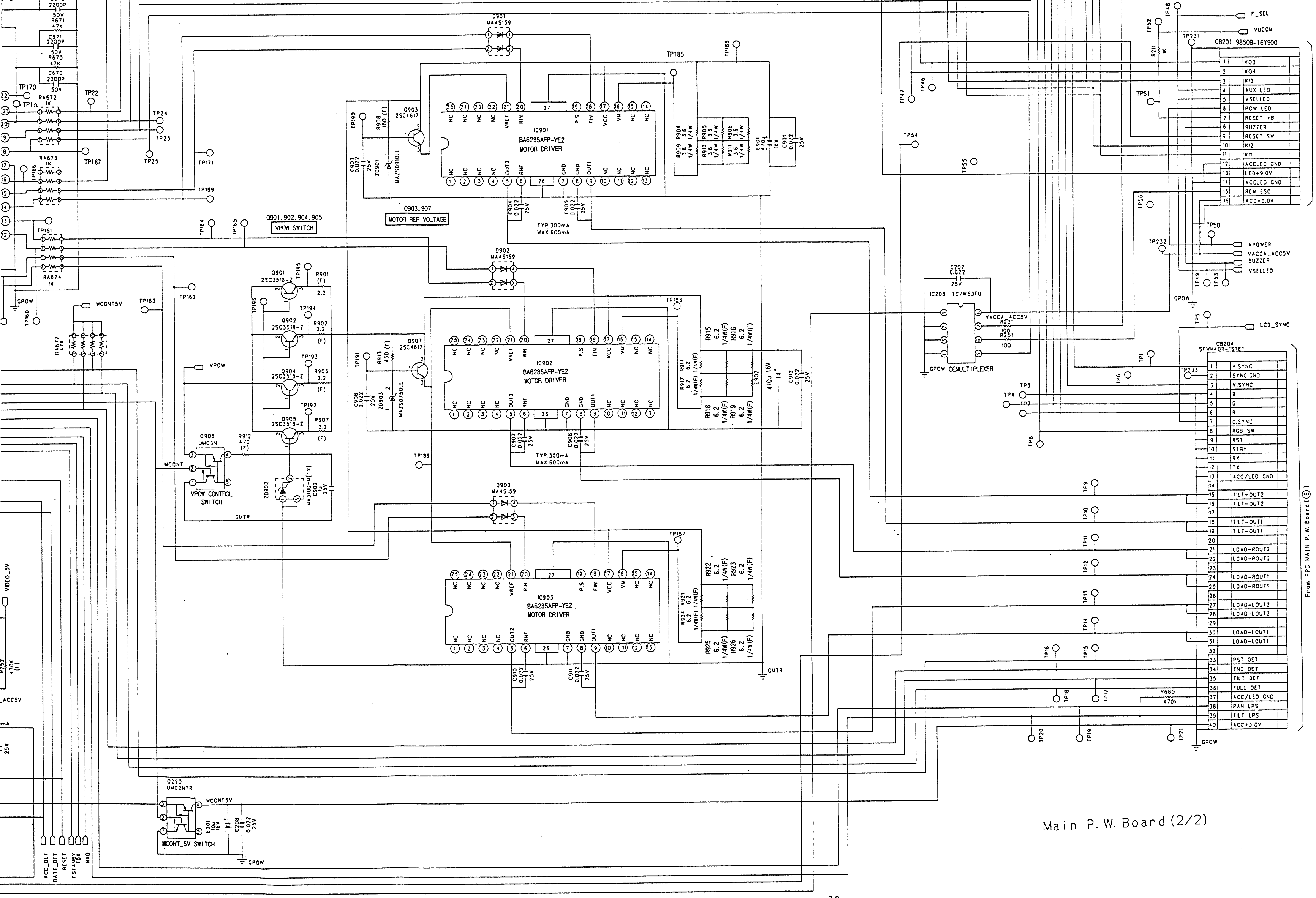

TINT
COLOR
VMUTE
F_SEL
F_AUX
OSDRST
OSDCLK
OSDDAT
OSDLAT
VIDEO_5V
TP277
TP272
R710 10K
R711 680
Q709 2SC4617 R SIGNAL AMP
R712 100
Q705 2SC4617 R SIGNAL BUFFER
R722 10K
R723 2.2K
R725 1K
TP278
IC708 7S04FU(TE85L) INVERTOR
C759 0.022 25V
TP262
Q726 NTSC/PAL SWITCH
Q727 CHROMATIC SIGNAL CONTROL
VIDEO_5V
C717 0.01 50V
R750 15K
TP258
TP259
R749 27K
Q715 2SA1774
C722 0.01 50V
R755 33K
R751 10K
TP260
TINT SWITCH
R808 680K
R766 27K
C731 0.047 25V
TP263
C735 0.01 50V
C738 0.01 50V
C743 0.01 50V
TP707 COLOR
R769 15K
Q719 2SA1774 COLOR SWITCH
C739 0.01 50V
R777 33K
R778 18K
TP257
VGND
VT702 NL
TP197
TP261
Q730 UN9212J-(TX)
Q730 TRAP FILTER SWITCH
NC
VT703
UN9212J-(TX) Q731
R728 NC
TRAP FILTER SWITCH
TP275
C876 4.7μ 10V
C875 4.7μ 10V
C877 4.7μ 10V
IC854 NJM2286V VIDEO SWITCH
E853 22μ 6.3V
C857 0.022 25V
R874 47K
R875 47K
R876 47K
E858 10μ 16V
E859 10μ 16V
E860 10μ 16V
IC704 VIDEO SWITCH
IC704 NJM2535V
R797 4.7K
E717 22μ 6.3V
C751 0.01 50V
TP249
C740 0.1 16V
TP256
E716 10μ 16V
E721 10μ 16V
TP247
SW2 Vin3 Vin2 V+ SW1 Vout Vin1 GND
Q724 UN9212J
VIDEO MUTE
TP248
TP250
E723 16V 10μ
R729 NC
RA670 1K
RA671 1K
R672 4.7K
C672
TP179
L851 10μH
L850 10μH
L852 10μH
C870 0.1 16V
C872 10μ 16V
C851 16V
TP305
R851 47K
TP304
H_SYNC
C857 51P 50V
R858 5.1K
C858 0.47 25V
TP303
C854 16V
C873 16V
R856 1M
R859 1K
TP302
TP301
IC852 0503 CHARACTER CONTROL
DVDD XRST V XIIC NC NC H ODD AVDD OSCOUT OSCIN REF LPF AVSS
SCL SDA XCS NC DVSS DC BLK2 BLK1 AVDD2 I B G R AVSS2
TP310
TP307
TP309
C874 10μ 16V
C855 0.1 16V
C862 10P 50V
C863 10P 50V
C864 10P 50V
R862 75
R863 75
R864 75
TP308
TP282
R868 330
R869 330
R870 330
TP280
TP279
R871 750
R872 750
R873 750
TP286
C850 0.022 25V
IC850 TC74HC4066AFT VIDEO SWITCH


NTSC/PAL SWITCH
VIDEO_5V
Q727
CHROMATIC SIGNAL CONTROL
TP258
TP259
R750 15K
R749 27K
Q715
2SA1774
C722 0.01 50V
R755 33K
R751 10K
TP260
C717 0.01 50V
TINT SWITCH
R808 680K
R766 27K
C731 0.047 25V
TP263
6BN-0328BS
C735 0.01 50V
TP707
COLOR
C738 0.01 50V
R769 15K
Q719
2SA1774
COLOR SWITCH
R778 18K
C739 0.01 50V
R777 33K
TP257
C743 0.01 50V
VGND
VT702
TP197
TP261
Q730
UN9212J-(TX)
Q730
TRAP FILTER SWITCH
VT703
UN9212J-(TX)
Q731
R728 NC
TRAP FILTER SWITCH
TP275
C876 4.7μ 10V
C875 4.7μ 10V
C877 4.7μ 10V
IC854
NJM2286V
VIDEO SWITCH
C853 22μ 6.3V
C867 0.022 25V
R874 47K
R875 47K
R876 47K
E858 10μ 16V
E859 10μ 16V
E860 10μ 16V
IC704
VIDEO SWITCH
R797 4.7K
IC704
NJM2535V
TP249
E717 22μ 6.3V
C751 0.01 50V
C740 0.1 16V
TP256
E716 10μ 16V
E721 10μ 16V
TP247
SW2 Vin3
Vin2 V+
SW1 Vout
Vin1 GND
TP250
Q724
UN9212J
VIDEO MUTE
TP248
E723 16V 10μ
R729 NC
H_SYNC
TP304
TP303
C857 51P 50V
R858 5.1K
C854 16V
C873 16V
R856 1M
C858 0.47 25V
R859 1K
TP302
TP301
TP282
NC
NC
H
ODD
AVDD
OSCOUT
OSCIN
REF
LPF
AVSS
IC852
OSD3
CHARACTER CONTROL
DVSS
DC
BLK2
BLK1
AVDD2
I
B
G
R
AVSS2
TP310
TP307
TP309
C874 10μ 16V
C855 16V
TP308
C862 50V
C863 50V
C864 50V
R862 75
R863 75
R864 75
R868 330
R869 330
R870 330
TP279
TP280
R871 750
R872 750
R873 750
TP286
IC850
TC74HC4066AFT
VIDEO SWITCH
C850 0.022 25V
RA670 1K
D670 MA4S159
D671 MA4S159
RA671 1K
R672 4.7K
C672 2200P 50V
R671 4.7K
C671 2200P 50V
R670 4.7K
C670 2200P 50V
TP151
R673 1K
TP180
TP179
R674 1K
TP178
R683 1K
TP176
TP173
TP182
R684 1K
TP181
TP177
TP175
TP174
TP172
XL670
CP12A
4.19MHz
NC
MCONT
FSTANDBY
BATT
NC
KEY04
KEY03
KEY02
KEY01
KEY13
KEY12
NC
KEY11
TP170
TP1a
RA672 1K
TP22
RESET
ANGLED2
TP24
ANGLED1
TP23
ACTLED
C673 15P 50V
R675 6.8K (F)
VPP
X2(4.19MHz)
C674 15P 50V
X1(4.19MHz)
VDD
D78P083GB3BSMTX
IC670
MECHA u-COM
CLOSE-CONT
TP167
TP25
TP171
RA673 1K
VSS
TP166
BL-OFF
VUCOM
AVDD
TLT-MTR2
TP169
E670 100μ 16V
C675 0.022 25V
AVREF
TLT-MTR1
R678 10K
R679 10K
TP184
AVSS
R682 220
EEPCLK
LDL-MTR2
R680 1K
R681 1K
TP183
EEPDAT
LDL-MTR1
TP161
LCD-TEMP
TLTLPS
PANLPS
TLTSW
POSSW
ENDSW
FULLSW
TXD
RXD
LDL-MTR1
LDL-MTR2
LDL-MTR1
RA674 1K
C676 0.022 25V
C579 1000P 50V
C680 1000P 50V
IC671
M24C08
EEPROM
E677 10μ 16V
C678 0.022 25V
GPOW
RA676 1K
TP157
TP158
TP159
GPOW
TP160
R676 100
R677 100
MCONT5V
TP163
TP162
RA677 47K
MCONT5V
RA675 100
VPOW
F201
TF1640.25TE
R204
TP164
TP165
Q901.902.904.905
VPOW SWITCH
Q901
2SC3518-Z
TP195
R901 (F) 2.2
TP196
TP194
Q902
2SC3518-Z
R902 2.2 (F)
TP193
Q904
2SC3518-Z
R903 2.2 (F)
TP190
R908 180 (F)
Q903
2SC4617
C903 0.022 25V
Z0901
MAZ5091OLL
Q903.907
MOTOR REF VOLTAGE
D901
MA4S159
D902
MA4S159
IC901
BA6285AFP-YE2
MOTOR DRIVER
NC
VREF
RIN
P.S
FIN
VCC
VM
OUT2
RNF
GND
GND
OUT1
C904 0.022 25V
C905 0.022 25V
TYP.300mA
MAX.600mA
TP191
R913 430 (F)
Q907
2SC4617
IC902
BA6285AFP-YE2
MOTOR DRIVER


D78P083GB3BSMTX
IC670
MECHA u-COM
IC671
M24C08
EEPROM
XL670
CP12A
4.19MHz
IC202
VARIABLE REGULATOR
IC202
TA76431F
Q215
NC
R201
NC
R204
0
1/4W
TYP.100mA
MAX.120mA
Q203,205
VPOW SWITCH
R207
15
1/4W
R208
15
1/4W
VR201
10K
R215
3.9K
R216
3.9K
R217
7.5K
(F)
F201
TF16N0.251E
F202
TF16N0.251E
GLCD
Q207
UMC2N
Q207
VUCOM CONTROL
Q208
UMC2N
ACC_DET
CONTROL
D203
MA113
IC203
LM2596
IC203
VARIABLE REGULATOR
D201
EC31QS04
L201
892NBS-470M=P3
Q214
UN9212J
REGULATOR
SWITCH
5V REGULATOR
IC204
AN7705SP-E1
VIDEO_5V
VUCOM
GPOW
VGND
MPOW9V
MCONT5V
VACCA_ACC5V
MAX.10mA
IC205
VHC32FT
R REMOCON CONTROL
Q221
RESET SWITCH
Q221
2SC4617
D207
MAZS0560IL
IC207
TDA3606AT
POWER SUPPLY DETECT
REGULATOR
Q219
UMC3NTR
VACCA_ACC5V SWITCH
Q220
UMC2NTR
MCONT_5V SWITCH
ACC_DET
BATT_DET
RESET
FSTANBY
TDX
RXD
REMOCON(N)
REMOCON(1)
REMOCON(2)
REMOCON_IN
NC
RESET
VPP
X2(4.19MHz)
X1(4.19MHz)
VDD
AVDD
AVREF
AVSS
EEPCLK
EEPDAT
LCD-TEMP
TLTLPS
PANLPS
TLTSW
POSSW
ENDSW
FULLSW
TXD
RXD
LDL-MTR1
LDL-MTR1
LDL-MTR2
TLT-MTR1
TLT-MTR2
BL-OFF
VSS
CLOSE-CONT
ACTLED
ANGLED1
ANGLED2
KEY11
MCONT
FSTANDBY
BATT
KEY04
KEY03
KEY02
KEY01
KEY13
KEY12
D901
MA4S159
D902
MA4S159
D903
MA4S159
Q903
2SC4617
R908
180 (F)
ZD901
MAZS0910LL
Q903,907
MOTOR REF VOLTAGE
Q901,902,904,905
VPOW SWITCH
IC901
BA6285AFP-YE2
MOTOR DRIVER
IC902
BA6285AFP-YE2
MOTOR DRIVER
IC903
BA6285AFP-YE2
MOTOR DRIVER
TYP.300mA
MAX.600mA
Q901
2SC3518-Z
Q902
2SC3518-Z
Q904
2SC3518-Z
Q905
2SC3518-Z
Q907
2SC4617
R913
430 (F)
ZD903
MAZS0750LL
Q906
UMC3N
VPOW CONTROL
SWITCH
ZD902
MA3100-M(TX)
R912
470
(F)
VPOW
MCONT
CMTR
NC
VREF
RIN
P.S
FIN
VCC
VM
OUT2
RNF
GND
OUT1

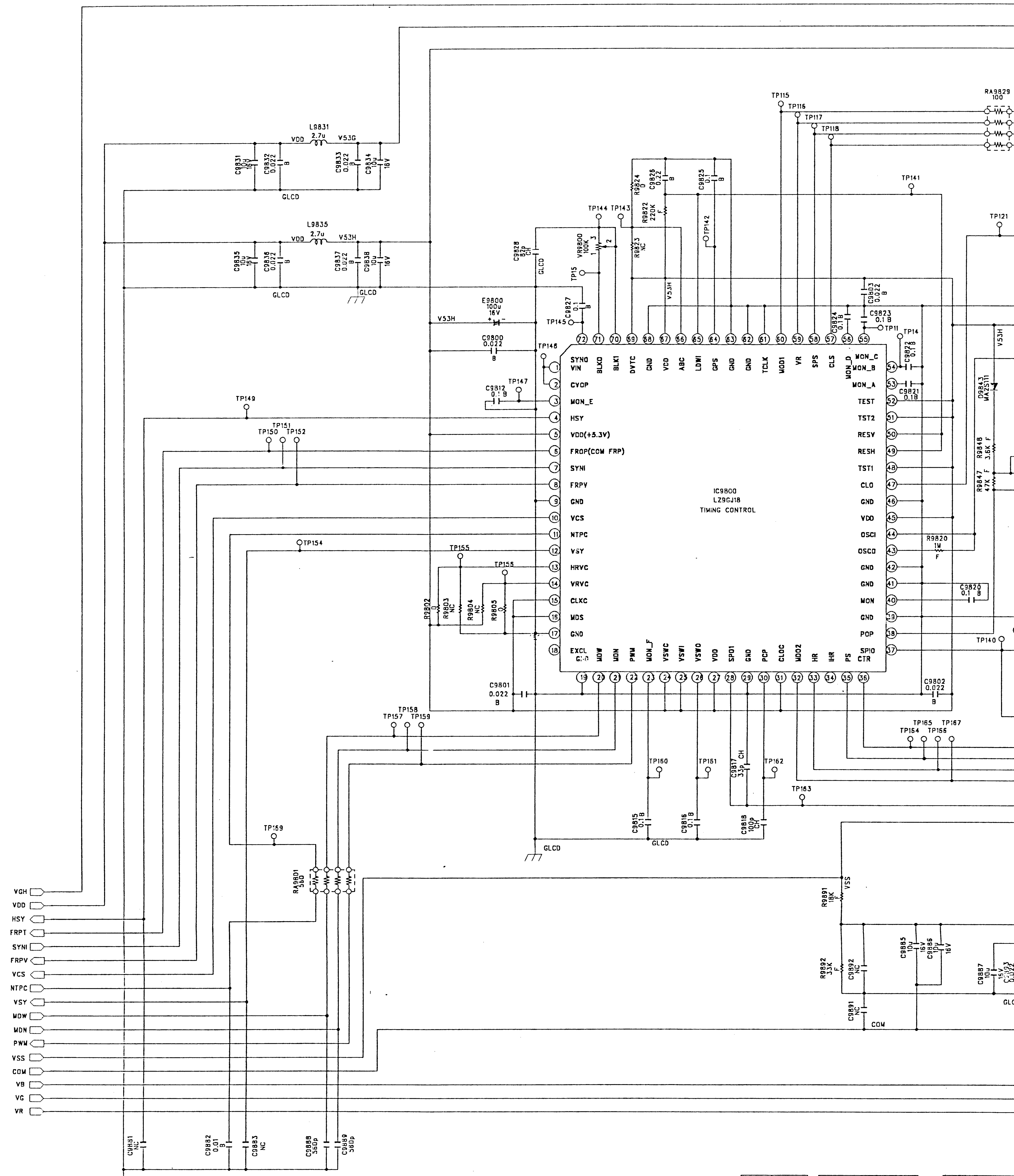

VMUTE
F_SEL
F_AUX
OSDRST
OSDCLK
OSDDAT
OSDLAT
VIDEO_5V
L851 10uH
L850 10uH
L852 10uH
C870 0.1 16V
C872 10 16V
C851 0.1 16V
IC852 OSD3 CHARACTER CONTROL
DVDD
XRST
V
XIIC
NC
H
ODD
AVDD
OSCOUT
OSCIN
REF
LPF
AVSS
SCL
SDA
XCS
DVSS
DC
BLK2
BLK1
AVDD2
I
B
G
R
AVSS2
TP305
TP304
R851 47K
H_SYNC
C857 51P 50V
R858 5.1K
C858 0.47 25V
R859 1K
R856 1M
C854
C873
TP303
TP302
TP301
TP310
TP307
TP309
C874 10 16V
C855 0.1 16V
C862 10P 50V
C863 10P 50V
C864 10P 50V
R862 75
R863 75
R864 75
TP308
TP282
R868 330
R869 330
R870 330
TP280
TP279
R871 750
R872 750
R873 750
TP286
IC850 TC74HC4066AFT VIDEO SWITCH
C850 0.022 25V
TP250
C751 0.01 50V
E723 16V 10u
R672 47K
C672 2200P
TP300
C852 1000P 50V
R850 3.3K
VIDEO_5V
IC851 TC74HC4538AFT MULTIVIBRATOR
VCC
2T1
2T2
2CD
2A
2B
2Q
1T1
1T2
1CD
1A
1B
1Q
GND
E850 10u 16V
C853 0.022 25V
C856 1000P 50V
R854
TP295
TP299
TP294
TP296
TP297
TP290
C859 25V
C860 25V
C861 25V
IC853 BA7606FS VIDEO SWITCH
IN1a
IN2b
Vcc
CTLb
IN1b
CPUL
IN1c
IN2a
CTLa
OUTa
OUTb
OUTc
CTLc
IN2c
E856 47u 6.3V
C865 0.022 25V
TP287
C868 25V
C869 25V
C871 25V
TP288
C866 0.022 25V
E851 22u 6.3V
IC855 TK15401M VIDEO DRIVER
R855 4.7K
C878 4.7 10V
R852 100
C879 4.7 10V
R857 100
C880 4.7 10V
R865 100
TP292
TP293
E852 220u 10V
R853 68
TP311
E855 220u 10V
R861 68
TP313
E857 220u 10V
R866 68
TP314
VGND
TP39
B.L_PWM
VACCA_ACC5V
GBLA
F203 TF16N1.60TE
VBL
TP202
CB203 SFVH40R-1STE1
1 B.L +8.0V
2 B.L +8.0V
3 B.L +8.0V
4
5 B.L GND
6 B.L GND
7 B.L GND
8 KI3
9 KI2
10 KI1
11 KO2
12 KO1
13 uCOM PWM
14 B.L OFF
15 ACT LED1
16 ACT LED2
17 ACT LED3
18 CLOSE-CNT
19 ACC+5.0V
20 ACC+5.0V
21 B.L TEMP
22 ACC/LED GND
23 ACC/LED GND
24 REM TEMP
25 DIM LPS
26 LCD PWM
27 LED+9.0V
28 LED+9.0V
29 LCD-16.0V
30 LCD+13.0V
31 LCD+5.3V
32 LCD+5.3V
33 LCD+7.5V
34 LCD GND
35 LCD GND
36 LCD GND
37 BRIGHT
38 NTPC
39 MODW
40 MODN
From FPC MAIN P. W. Board (F)
TP226
TP228
TP229
TP230
TP26
TP27
TP30
TP31
TP32
TP40
TP41
TP42
TP43
TP44
TP45
GPOW
MODEN
MODEW
BRIGHT
LCD+13V
LCD-16V
DIMMER
TP28
TP37
TP38
TP33
TP35
TP36
LCDPWM
GLCD
TP29
NTP
TP34
TP48
F_SEL


IC852 CHARACTER
ODD
AVDD
OSCOUT
OSCIN
REF
LPF
AVSS
BLK1
AVDD2
AVSS2
C857 51P 50V
R858 5.1K
C858 0.47 25V
R859 1K
IC853 BA7606FS VIDEO SWITCH
IN1a GND IN2b Vcc CTLb IN1b CPUL IN1c
IN2a CTLa OUTa GND OUTb OUTc CTLc IN2c
IC850 TC74HC4066AFT VIDEO SWITCH
R868 330
R869 330
R870 330
R871 750
R872 750
R873 750
C850 0.022 25V
E723 16V 10u
C751 0.01 50V
VGND
TF16N1.60TE
VBL
CB203 SFVH40R-1STE1
1 B.L +8.0V
2 B.L +8.0V
3 B.L +8.0V
4
5 B.L GND
6 B.L GND
7 B.L GND
8 KI3
9 KI2
10 KI1
11 KO2
12 KO1
13 uCOM PWM
14 B.L OFF
15 ACT LED1
16 ACT LED2
17 ACT LED3
18 CLOSE-CNT
19 ACC+5.0V
20 ACC+5.0V
21 B.L TEMP
22 ACC/LED GND
23 ACC/LED GND
24 REM TEMP
25 DIM LPS
26 LCD PWM
27 LED+9.0V
28 LED+9.0V
29 LCD-16.0V
30 LCD+13.0V
31 LCD+5.3V
32 LCD+5.3V
33 LCD+7.5V
34 LCD GND
35 LCD GND
36 LCD GND
37 BRIGHT
38 NTPC
39 MODW
40 MODN
GPOW
From FPC MAIN P. W. Board (F)
MODEN
MODEW
BRIGHT
LCD+13V
LCD-16V
DIMMER
LCDPWM
NTP
GLCD
F_SEL
VUCOM
R211 1K
CB201 9850B-16Y900
1 KO3
2 KO4
3 KI3
4 AUX LED
5 VSELLED
6 POW LED
7 RESET +B
8 BUZZER
9 RESET SW
10 KI2
11 KI1
12 ACCLED GND
13 LED+9.0V
14 ACCLED GND
15 REM ESC
16 ACC+5.0V
From ESC P. W. Board (CH5730)
MPOWER
VACCA_ACC5V
BUZZER
VSELLED
IC208 TC7W53FU
C207 0.022 25V
VACCA_ACC5V
R231 100
R251 100
GPOW DEMULTIPLEXER
LCD_SYNC
CB204 SFVH40R-1STE1
1 H.SYNC
2 SYNC.GND
3 V.SYNC
4 B
5 G
6 R
7 C.SYNC
8 RGB SW
D901 MA4S159
D902 MA4S159
IC901 BA6285AFP-YE2 MOTOR DRIVER
IC902 BA6285AFP-YE2 MOTOR DRIVER
NC VREF RIN P.S FIN VCC VM OUT2 RNF GND OUT1
Q903 2SC4617
Q907 2SC4617
R908 180 (F)
R913 430 (F)
Z0901 MAZS0910LL
Z0903 MAZS0750LL
C903 0.022 25V
C906 0.022 25V
C904 0.022 25V
C905 0.022 25V
TYP.300mA
MAX.600mA
Q903,907
MOTOR REF VOLTAGE
Q901,902,904,905
VPOW SWITCH
Q901 2SC3518-Z
Q902 2SC3518-Z
Q904 2SC3518-Z
Q905 2SC3518-Z
R901 (F) 2.2
R902 2.2 (F)
R903 2.2 (F)
R907 2.2
R904 3.6 1/4W
R905 3.6 1/4W
R906 3.6 1/4W
R909 3.6 1/4W
R910 3.6 1/4W
R911 3.6 1/4W
E901 470u 16V
C901 0.022 25V
R914 6.2 1/4W(F)
R915 6.2 1/4W(F)
R916 6.2 1/4W(F)
R917 6.2 1/4W(F)
R918 6.2 1/4W(F)
R919 6.2 1/4W(F)
E902 470u 16V
C912 0.022 25V
RA672 1K
RA673 1K
RA674 1K
RA677 47K
R672 47K
R671 47K
R670 47K
C672 2200P 50V
C671 2200P 50V
C670 2200P 50V
MCONT5V
VPOW
GPOW
TP185
TP186
TP250
TP286
TP288
TP293
TP22
TP23
TP24
TP25
TP167
TP170
TP171
TP169


IC901
BA6285AFP-YE2
MOTOR DRIVER
IC902
BA6285AFP-YE2
MOTOR DRIVER
IC903
BA6285AFP-YE2
MOTOR DRIVER
NC
VREF
RIN
P.S
FIN
VCC
VM
OUT2
RNF
GND
OUT1
27
26
D901
MA4S159
D902
MA4S159
D903
MA4S159
D901, 902, 904, 905
VPOW SWITCH
D903, 907
MOTOR REF VOLTAGE
Q901
2SC3518-Z
Q902
2SC3518-Z
Q904
2SC3518-Z
Q905
2SC3518-Z
Q903
2SC4617
Q907
2SC4617
Q906
UMC3N
VPOW CONTROL SWITCH
Q220
UMC2NTR
MCONT_5V SWITCH
ZD901
MAZS0910LL
ZD903
MAZS0750LL
ZD902
MA3100-M(TX)
R901 (F) 2.2
R902 2.2 (F)
R903 2.2 (F)
R907 2.2 (F)
R908 180 (F)
R912 470 (F)
R913 430 (F)
R904 3.6 1/4W
R905 3.6 1/4W
R906 3.6 1/4W
R909 3.6 1/4W
R910 3.6 1/4W
R911 3.6 1/4W
R914 6.2 1/4W(F)
R915 6.2 1/4W(F)
R916 6.2 1/4W(F)
R917 6.2 1/4W(F)
R918 6.2 1/4W(F)
R919 6.2 1/4W(F)
R921 6.2 1/4W(F)
R922 6.2 1/4W(F)
R923 6.2 1/4W(F)
R924 6.2 1/4W(F)
R925 6.2 1/4W(F)
R926 6.2 1/4W(F)
C901 0.022 25V
C902 470µ 16V
C903 0.022 25V
C904 0.022 25V
C905 0.022 25V
C906 0.022 25V
C907 0.022 25V
C908 0.022 25V
C910 0.022 25V
C911 0.022 25V
C912 0.022 25V
C922 1µ 25V
E901 470µ 16V
E201 10µ 16V
C208 0.022 25V
C207 0.022 25V
TYP.300mA
MAX.600mA
VPOW
MCONT
MCONT5V
GMTR
GPOW
RA672 1K
RA673 1K
RA674 1K
RA677 47K
R671 47K
R670 47K
C571 2200P 50V
C670 2200P 50V
2200P
R252 430K (F)
VIDEO_5V
_ACC5V
ACC_DET
BATT_DET
RESET
FSTANBY
TDX
RXD
IC208 TC7W53FU
DEMULTIPLEXER
VACCA_ACC5V
R231 100
R251 100
R211 1K
R685 470k
CB201 9850B-16Y900
From ESC P.W. Board (CH5730)
1 KO3
2 KO4
3 KI3
4 AUX LED
5 VSELLED
6 POW LED
7 RESET +B
8 BUZZER
9 RESET SW
10 KI2
11 KI1
12 ACCLED GND
13 LED+9.0V
14 ACCLED GND
15 REM ESC
16 ACC+5.0V
F_SEL
VUCOM
MPOWER
VACCA_ACC5V
BUZZER
VSELLED
LCD_SYNC
CB204
SFVH40R-1STE1
From FPC MAIN P.W. Board (E)
1 H.SYNC
2 SYNC.GND
3 V.SYNC
4 B
5 G
6 R
7 C.SYNC
8 RGB SW
9 RST
10 STBY
11 RX
12 TX
13 ACC/LED GND
15 TILT-OUT2
16 TILT-OUT2
18 TILT-OUT1
19 TILT-OUT1
21 LOAD-ROUT2
22 LOAD-ROUT2
24 LOAD-ROUT1
25 LOAD-ROUT1
27 LOAD-LOUT2
28 LOAD-LOUT2
30 LOAD-LOUT1
31 LOAD-LOUT1
33 PST DET
34 END DET
35 TILT DET
36 FULL DET
37 ACC/LED GND
38 PAN LPS
39 TILT LPS
40 ACC+5.0V
TP1
TP1a
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
TP11
TP12
TP13
TP14
TP15
TP16
TP17
TP18
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP46
TP47
TP48
TP49
TP50
TP51
TP52
TP53
TP54
TP55
TP56
TP160
TP161
TP162
TP163
TP164
TP165
TP166
TP167
TP170
TP171
TP185
TP186
TP187
TP188
TP189
TP190
TP191
TP192
TP193
TP194
TP195
TP196
TP231
TP232
TP233

Main P. W. Board (2/2)

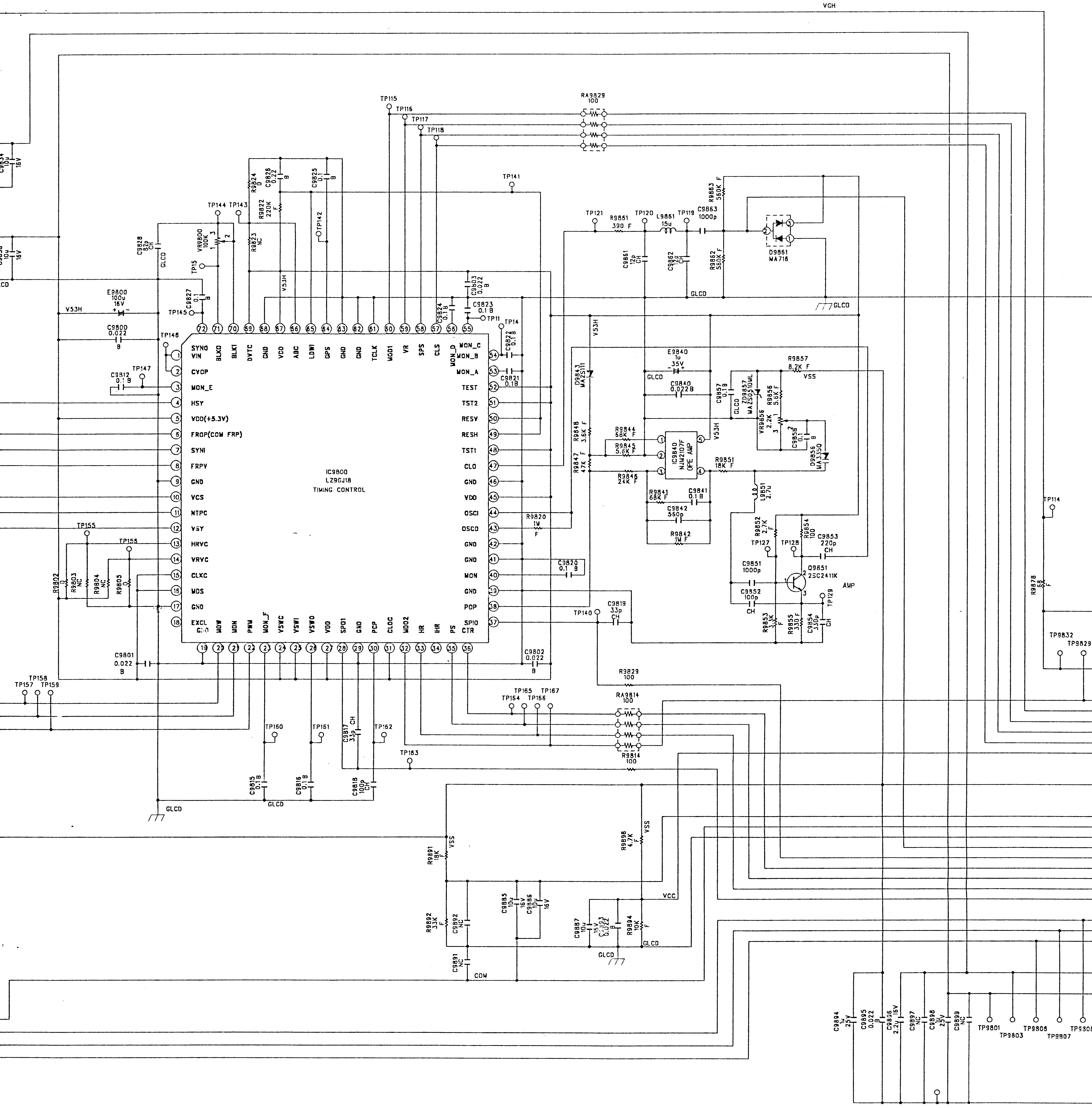
Schematic Diagram (3/7)


IC9800
LZ9GJ18
TIMING CONTROL
L9831 2.7u
L9835 2.7u
VDD
V53G
V53H
GLCD
C9831 10u 16V
C9832 0.022 B
C9833 0.022 B
C9834 10u 16V
C9835 10u 16V
C9836 0.022 B
C9837 0.022 B
C9838 10u 16V
E9800 100u 16V
C9800 0.022 B
C9801 0.022 B
C9802 0.022 B
C9803 0.022 B
C9812 0.1 B
C9815 0.1 B
C9816 0.1 B
C9817 33p CH
C9818 100p CH
C9820 0.1 B
C9821 0.1 B
C9823 0.1 B
C9824 0.1 B
C9825 0.1 B
C9826 0.22 B
C9827 0.1 B
C9828 82p CH
C9872 0.1 B
VR9800 100K
R9802 0
R9803 NC
R9804 NC
R9805 0
R9820 1M F
R9822 220K F
R9823 NC
R9824 0
R9847 47K F
R9848 3.6K F
D9843 MA2S111
RA9829 100
RA9801 560
R9891 18K F
R9892 33K F
C9891 NC
C9892 NC
C9885 10u 16V
C9886 10u 16V
C9887 10u 16V
C9881 NC
C9882 0.01 B
C9883 NC
C9888 560p
C9889 560p
VSS
COM
TP11 TP14 TP15 TP115 TP116 TP117 TP118 TP121 TP140 TP141 TP142 TP143 TP144 TP145 TP146 TP147 TP149 TP150 TP151 TP152 TP154 TP155 TP156 TP157 TP158 TP159 TP160 TP161 TP162 TP163 TP164 TP165 TP166 TP167
1 SYNO VIN
2 CVOP
3 MON_E
4 HSY
5 VDD(+5.3V)
6 FROP(COM FRP)
7 SYNI
8 FRPV
9 GND
10 VCS
11 NTPC
12 VSY
13 HRVC
14 VRVC
15 CLKC
16 MDS
17 GND
18 EXCL GND
19 MDW
20 MDN
21 PWM
22 MON_F
23 VSWC
24 VSWI
25 VSWO
26 VDD
27 SPO1
28 GND
29 PCP
30 CLOC
31 MOD2
32 HR
33 HHR
34 PS
35 SPIO CTR
36
37
38 POP
39 GND
40 MON
41 GND
42 GND
43 OSCO
44 OSCI
45 VDD
46 GND
47 CLO
48 TST1
49 RESH
50 RESV
51 TST2
52 TEST
53 MON_A
54 MON_B MON_C
55 MON_D
56
57 CLS
58 SPS
59 VR
60 MOD1
61 TCLK
62 GND
63 GND
64 GPS
65 LDWI
66 ABC
67 VCO
68 GND
69 DVTC
70 BLKI
71 BLKO
72
VGH
VDD
HSY
FRPT
SYNI
FRPV
VCS
NTPC
VSY
MDW
MDN
PWM
VSS
COM
VB
VG
VR

	11
MODE	NTPC
NTSC	H
PAL	L

	16	20	21
MODE	MDS	MDW	MDN
FULL	H	H	H
WIDE1	H	H	L
NORM	H	L	H
CINEMA	H	L	L
WIDE2	L	H	H

	59
MODE	VR
NORM	H
LR INV	L
UD INV	H
LRUD INV	L

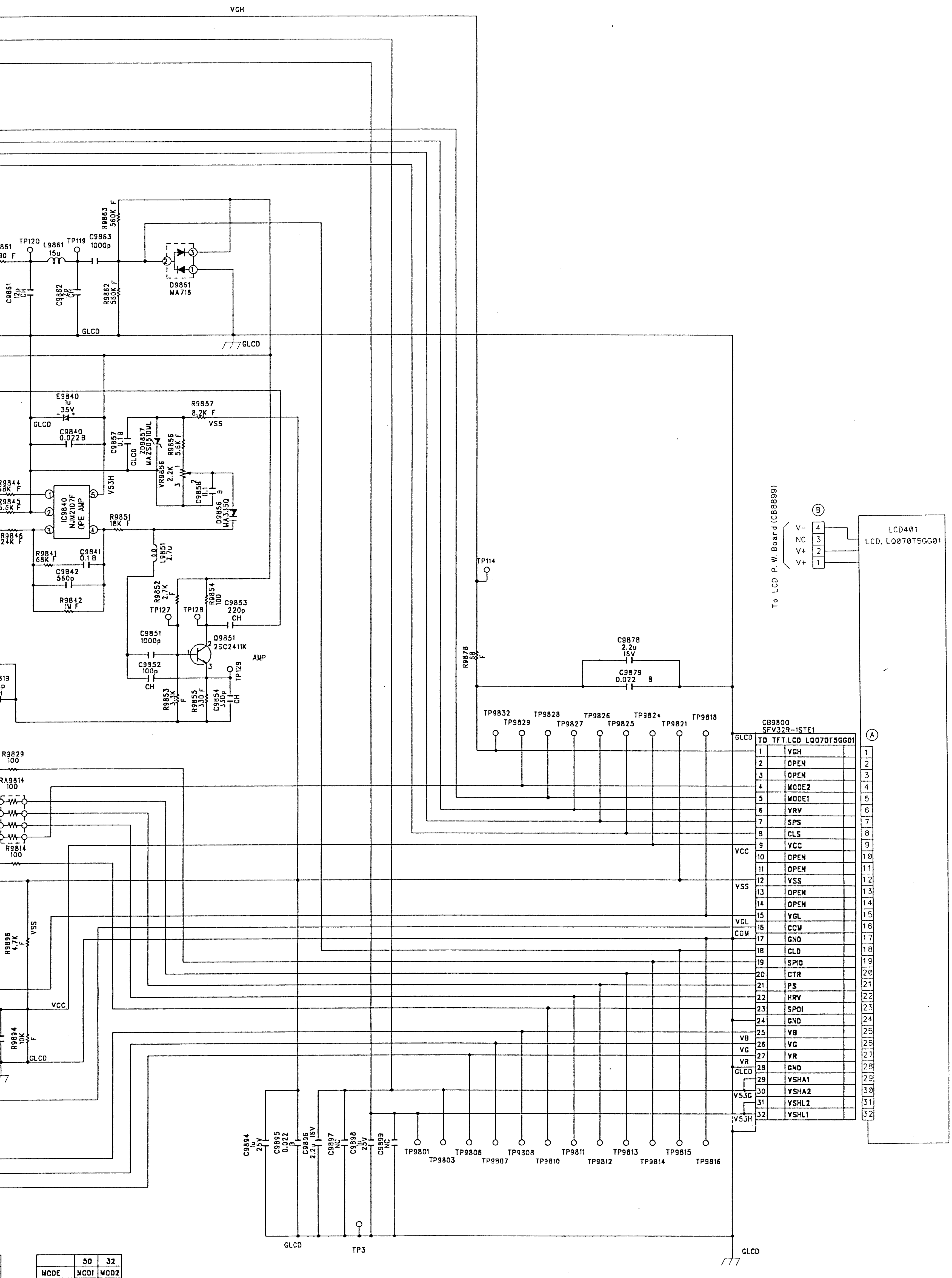

VGH
IC9800
LZ9GJ18
TIMING CONTROL
SYNO
VIN
CYOP
MON_E
HSY
VDD(+5.3V)
FROP(COM FRP)
SYNI
FRPV
GND
VCS
NTPC
VSY
HRVC
VRVC
CLKC
MDS
GND
EXCL
BLKO
BLKI
DVTC
GND
VCD
ABC
LDWI
GPS
GND
GND
TCLK
MOD1
VR
SPS
CLS
MON_D
MON_C
MON_B
MON_A
TEST
TST2
RESV
RESH
TST1
CLO
GND
VDD
OSCI
OSCO
GND
GND
MON
GND
POP
SPIO
CTR
MDW
MON
PWM
MON_F
VSWC
VSWI
VSWO
VDD
SPO1
GND
PCP
CLOC
MOD2
HR
IHR
PS
IC9840
NJM2107F
OPE AMP
Q9851
2SC2411K
AMP
D9861
MA716
D9843
MA2S111
ZD9857
MAZS0510ML
D9856
MA3150
E9800
100u
16V
E9840
1u
35V
RA9829
100
RA9814
100
R9829
100
R9814
100
R9861
390 F
L9861
15u
C9863
1000p
R9863
560K F
R9862
560K F
C9861
12p
CH
C9862
12p
CH
R9857
8.2K F
R9856
5.6K F
VR9856
2.2K
C9858
0.1
B
C9857
0.1 B
C9840
0.022 B
R9844
68K F
R9845
5.6K F
R9846
24K F
R9847
47K F
R9848
3.6K F
R9841
68K F
C9841
0.1 B
C9842
560p
R9842
1M F
R9851
18K F
L9851
2.7u
R9852
2.7K
F
R9854
100
C9853
220p
CH
C9851
1000p
C9852
100p
CH
R9853
3.3K
F
R9855
330 F
C9854
330p
CH
C9819
33p
CH
C9820
0.1 B
R9820
1M
F
C9800
0.022
B
C9801
0.022
B
C9802
0.022
B
C9803
0.022
B
C9812
0.1 B
C9815
0.1B
C9816
0.1B
C9817
33p
CH
C9818
100p
CH
C9821
0.1B
C9822
0.1B
C9823
0.1 B
C9824
0.1B
C9825
0.1
C9826
0.22
B
C9827
0.1
B
C9828
82p
CH
R9822
220K
F
R9823
NC
R9824
0
VR9800
100K
R9802
0
R9803
NC
R9804
NC
R9805
0
R9891
18K
F
R9892
33K
F
R9893
4.7K
F
R9894
10K
F
C9891
NC
C9892
NC
C9885
10u
16V
C9886
10u
16V
C9887
10u
16V
C9893
0.022
B
C9894
1u
25V
C9895
0.022
B
C9896
2.2u 16V
C9897
NC
C9898
1u
25V
C9899
NC
R9878
0
F
V53H
VSS
VCC
COM
GLCD
TP3
TP11
TP14
TP15
TP114
TP115
TP116
TP117
TP118
TP119
TP120
TP121
TP127
TP128
TP129
TP140
TP141
TP142
TP143
TP144
TP145
TP146
TP147
TP155
TP156
TP157
TP158
TP159
TP160
TP161
TP162
TP163
TP154
TP165
TP166
TP167
TP9801
TP9803
TP9805
TP9807
TP9832
TP9829

	11
MODE	NTPC
NTSC	H
PAL	L

	15	20	21
MODE	MDS	MDW	MDN
FULL	H	H	H
WIDE1	H	H	L
NORM	H	L	H
CINEMA	H	L	L
WIDE2	L	H	H

	59	33
MODE	VR	HR
NORM	H	H
LR INV	L	H
UD INV	H	L
LRUD INV	L	L

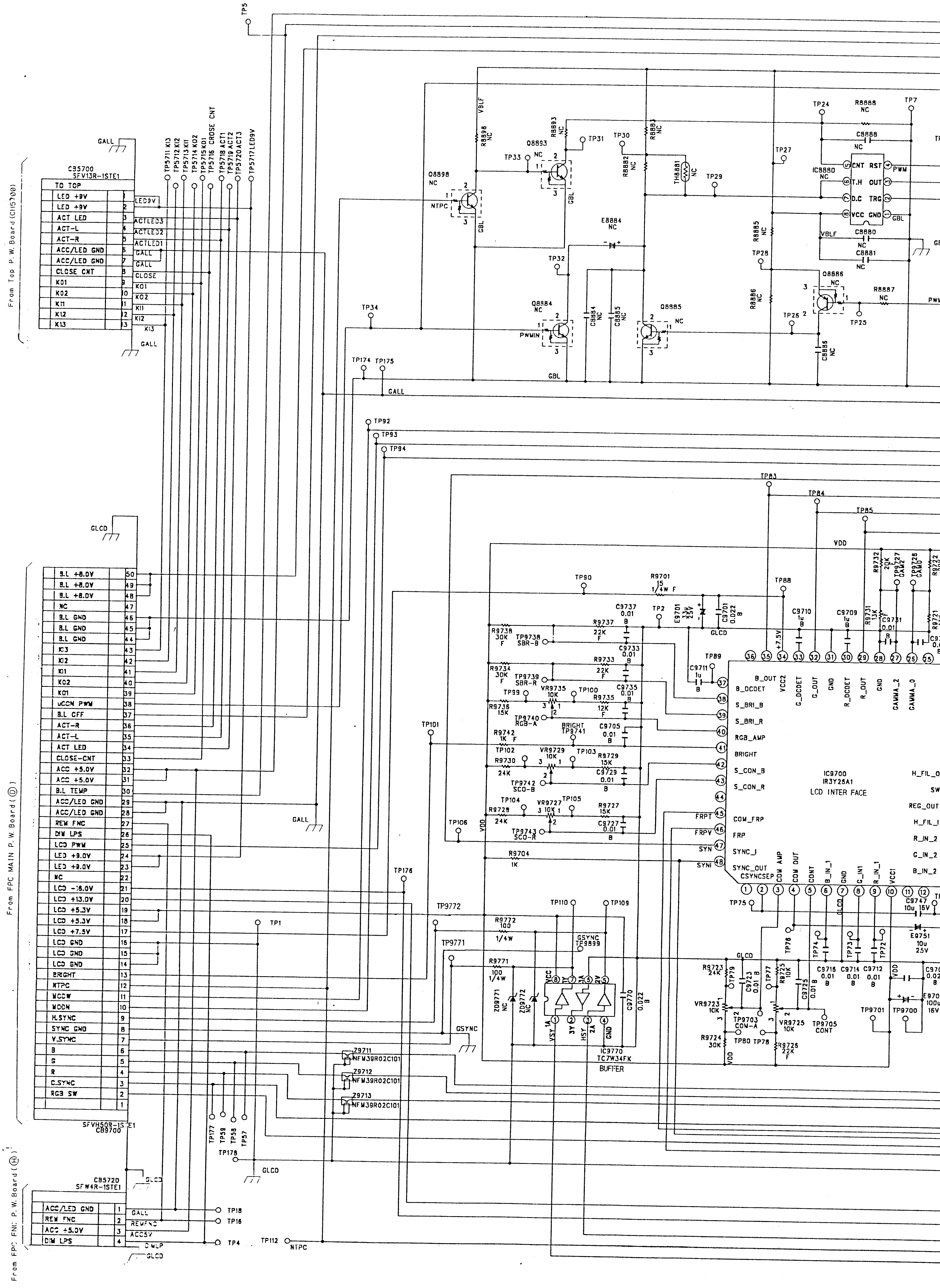
	50	32
MODE	MOD1	MOD2
NORM	H	H
2PULSE	L	H
TEST	H	L
TEST	L	L


VGH
R9863 560K F
TP120
L9861 15u
TP119
C9863 1000p
C9861 12p CH
C9862 12p CH
R9862 560K F
D9851 MA718
GLCD
E9840 1u 35V
C9840 0.022B
R9857 8.2K F
VSS
C9857 0.1B
ZD9857 MAZ5010ML
R9856 5.6K F
VR9856 2.2K
C9856 0.1 B
D9856 MA335Q
IC9840 NJM2107F OPE AMP
V53H
R9851 18K F
R9841 68K F
C9841 0.1 B
C9842 560p
R9842 1M F
L9851 2.7u
R9852 2.7K F
R9854 100
C9853 220p CH
TP127
TP128
C9851 1000p
Q9851 2SC2411K
AMP
C9852 100p CH
TP129
R9853 3.3K F
R9855 330 F
C9854 330p CH
R9829 100
RA9814 100
R9814 100
R9898 4.7K F
VCC
R9894 10K F
TP114
R9878 68 F
C9878 2.2u 15V
C9879 0.022 B
TP9832
TP9829
TP9828
TP9827
TP9826
TP9825
TP9824
TP9821
TP9818
CB9800 SFV32R-1STE1
TO TFT.LCD LQ070T5GG01
1 VGH
2 OPEN
3 OPEN
4 MODE2
5 MODE1
6 VRV
7 SPS
8 CLS
9 VCC
10 OPEN
11 OPEN
12 VSS
13 OPEN
14 OPEN
15 VGL
16 CCM
17 GND
18 CLD
19 SPIO
20 CTR
21 PS
22 HRV
23 SPOI
24 GND
25 VB
26 VG
27 VR
28 GND
29 VSHA1
30 VSHA2
31 VSHL2
32 VSHL1
VCC
VSS
VGL
COM
VB
VG
VR
GLCD
V53G
V53H
Ⓐ
Ⓑ
To LCD P. W. Board (CB8899)
V- 4
NC 3
V+ 2
V+ 1
LCD401
LCD. LQ070T5GG01
C9894 1u 25V
C9895 0.022 B
C9896 2.2u 16V
C9897 NC
C9898 1u 25V
C9899 NC
TP9801
TP9803
TP9806
TP9807
TP9808
TP9810
TP9811
TP9812
TP9813
TP9814
TP9815
TP9816
GLCD
TP3
GLCD

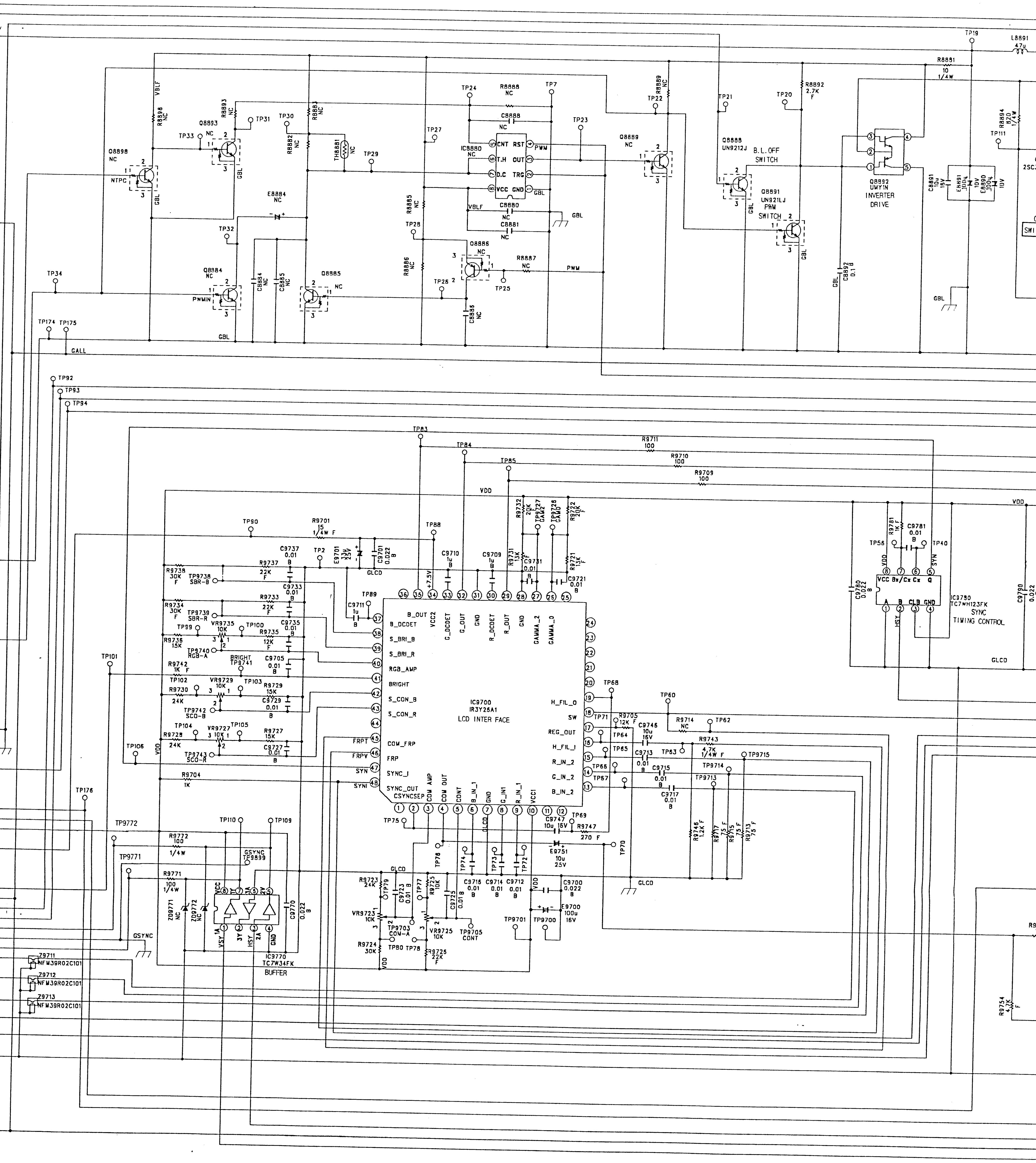
	50	32
MODE	MOD1	MOD2
NORM	H	H
2PULSE	L	H
TEST	H	L
TEST	L	L

LCD P. W. Board (1/2)

Schematic Diagram (4/7)

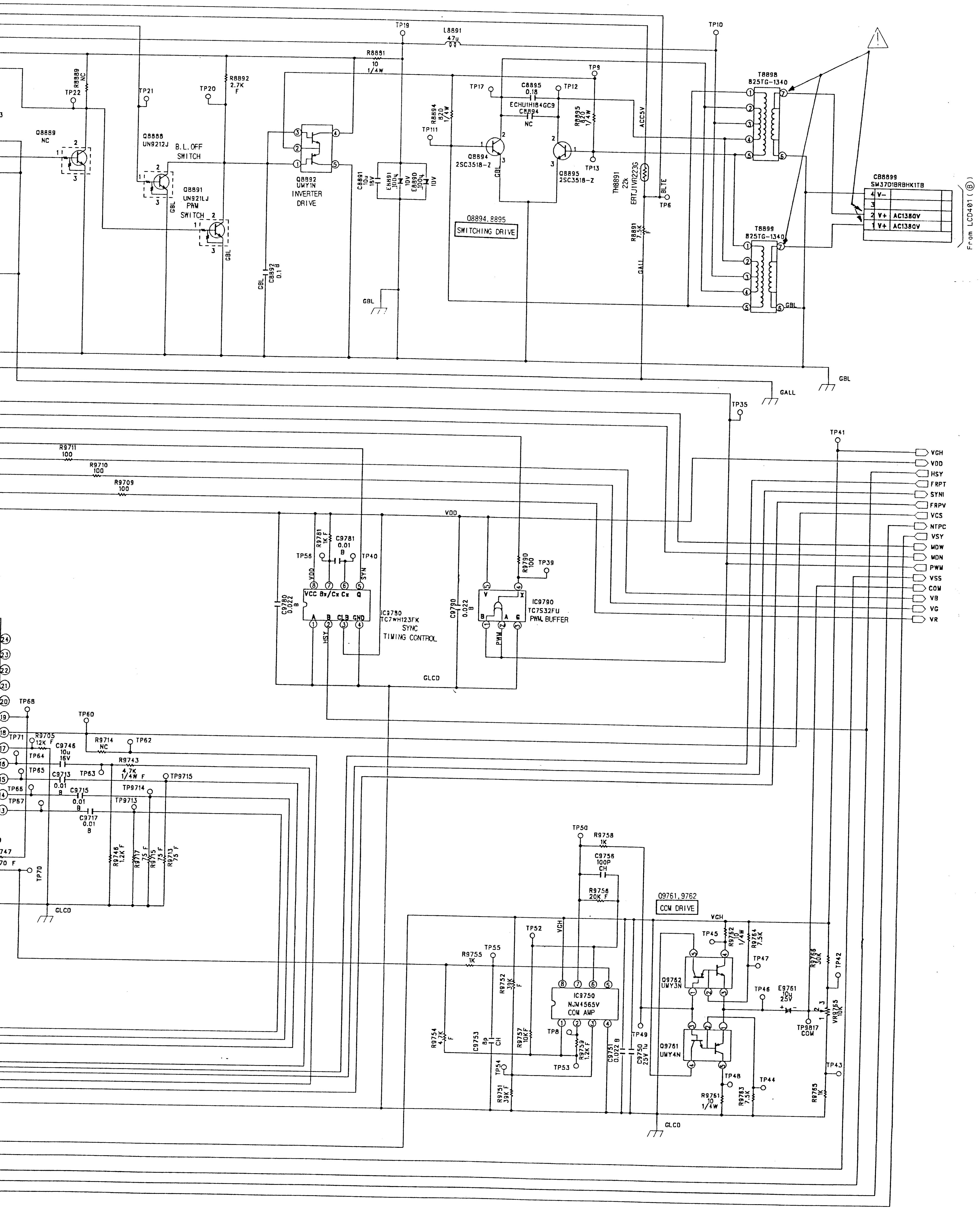

From Top P.W. Board (CI15700)
CB5700
SFV13R-1STE1
TO TOP
LED +9V
ACT LED
ACT-L
ACT-R
ACC/LED GND
CLOSE CNT
K01
K02
K11
K12
K13
GALL
From FPC MAIN P.W. Board (D)
B.L +8.0V
NC
B.L GND
uCON PWM
B.L OFF
CLOSE-CNT
ACC +5.0V
B.L TEMP
REM FNC
DIM LPS
LCD PWM
LED +9.0V
LCD -16.0V
LCD +13.0V
LCD +5.3V
LCD +7.5V
LCD GND
BRIGHT
NTPC
MCCW
MCON
H.SYNC
SYNC GND
V.SYNC
B
G
R
C.SYNC
RGB SW
SFVH50R-1STE1
CB9700
From FPC FNC P.W. Board (H)
CB5720
SFW4R-1STE1
ACC/LED GND
REM FNC
ACC +5.0V
DIM LPS
GLCD
Z9711 NFM39R02C101
Z9712 NFM39R02C101
Z9713 NFM39R02C101
IC3770
TC7W34FK
BUFFER
IC9700
IR3Y26A1
LCD INTER FACE
IC8880
Q8898
Q8893
Q8884
Q8885
Q8886
VBLF
GBL
PWMIN
GSYNC
VDD

Caution:The
volt



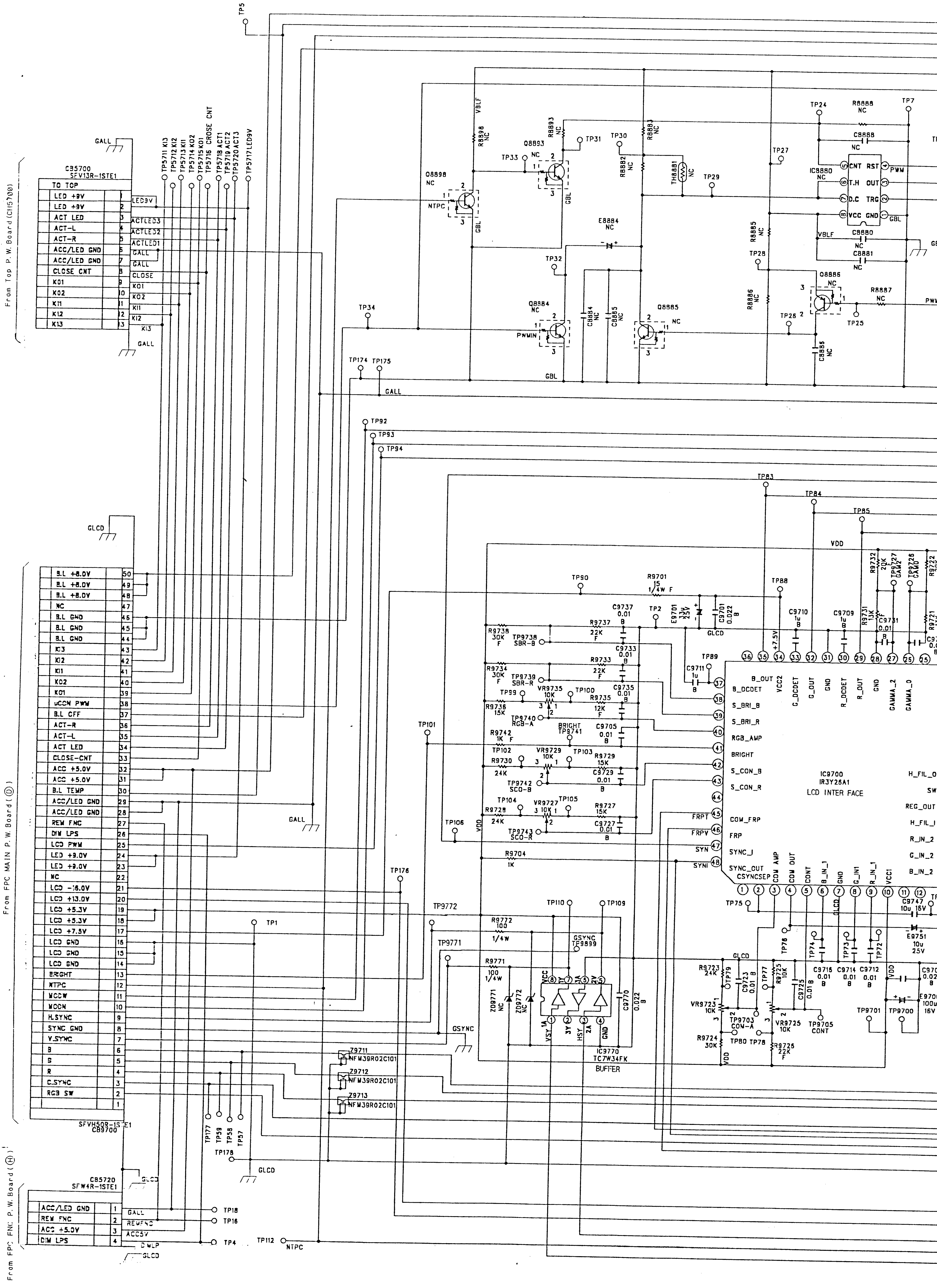
IC9700
IR3Y25A1
LCD INTER FACE
B_OUT
B_DCDET
S_BRI_B
S_BRI_R
RGB_AMP
BRIGHT
S_CON_B
S_CON_R
COM_FRP
FRP
SYNC_I
SYNC_OUT
CSYNCSEP
COM AMP
COM OUT
CONT
B_IN_1
GND
G_IN1
R_IN_1
VCC1
B_IN_2
G_IN_2
R_IN_2
H_FIL_I
REG_OUT
SW
H_FIL_O
VCC2
G_DCDET
G_OUT
R_DCDET
R_OUT
GAMMA_2
GAMMA_0
IC9770
TC7W34FK
BUFFER
IC9780
TC7WH123FK
SYNC
TIMING CONTROL
VCC Rx/Cx Cx Q
A B CLR GND
IC8880
NC
CNT RST
T.H OUT
D.C TRG
VCC GND
Q8888
UN9212J
B.L.OFF
SWITCH
Q8891
UN921LJ
PWM
SWITCH
Q8892
UMY1N
INVERTER
DRIVE
Q8898
NC
NTPC
Q8893
NC
Q8884
NC
PWMIN
Q8885
NC
Q8886
Q8889
NC
TH8881
NC
L8891
47u
R8891
10
1/4W
R8892
2.7K
F
R8894
820
1/4W
C8891
10u
16V
C8892
0.1
B
VBLF
GBL
GALL
GLCD
VDD
GSYNC
PWM
TP19
TP20
TP21
TP22
TP23
TP24
TP25
TP26
TP27
TP28
TP29
TP30
TP31
TP32
TP33
TP34
TP174
TP175
TP92
TP93
TP94
TP83
TP84
TP85
TP88
TP89
TP90
TP2
TP56
TP40
TP101
TP106
TP176
TP9772
TP9771
TP110
TP109
TP68
TP60
TP62
TP63
TP64
TP65
TP66
TP67
TP69
TP70
TP71
TP75
TP9715
TP9714
TP9713
TP9700
TP9701
R9711
100
R9710
100
R9709
100
R9701
15
1/4W F
E9701
33u
25V
C9701
0.022
B
R9738
30K
F
TP9738
SBR-B
R9737
22K
F
C9737
0.01
B
R9734
30K
F
TP9739
SBR-R
R9733
22K
F
VR9735
10K
R9735
12K
F
TP9740
RGB-A
BRIGHT
TP9741
R9742
1K F
VR9729
10K
R9729
15K
R9730
24K
TP9742
SCO-B
VR9727
10K
R9727
15K
R9728
24K
TP9743
SCO-R
R9704
1K
R9772
100
1/4W
R9771
100
1/4W
ZD9771
NC
ZD9772
NC
GSYNC
TP9899
C9770
0.022
B
Z9711
NFM39R02C101
Z9712
NFM39R02C101
Z9713
NFM39R02C101
R9723
24K
VR9723
10K
TP9703
COM-A
R9724
30K
TP80
TP78
VR9725
10K
TP9705
CONT
R9725
22K
F
C9716
0.01
B
C9714
0.01
B
C9712
0.01
B
C9700
0.022
B
E9700
100u
16V
E9751
10u
25V
C9747
10u 16V
R9747
270 F
R9705
12K F
C9746
10u
16V
R9714
NC
R9743
4.7K
1/4W F
R9746
1.2K F
R9717
75 F
R9715
75 F
R9713
75 F
R9781
1K F
C9781
0.01
B
C9780
0.022
B
R9754
4.7K
F

Caution: The part marked with ⚠ is generating a high voltage, so care will be necessary when working.

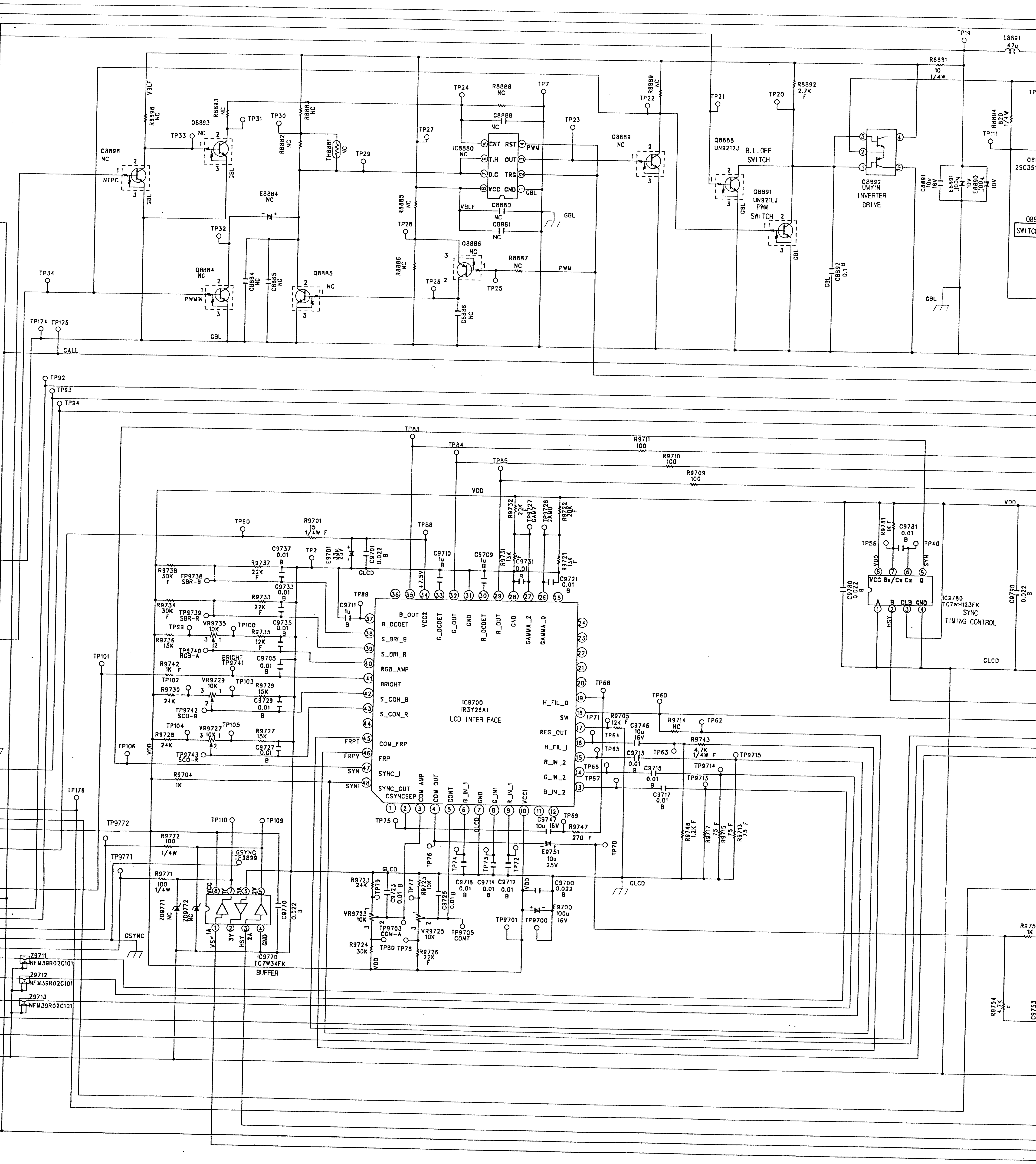

TP19
L8891
47u
TP10
R8881
10
1/4W
R8889
NC
TP22
TP21
TP20
R8892
2.7K
F
TP9
TP17
C8895
0.18
TP12
ECHU1H184GC9
C8894
NC
R8894
820
1/4W
R8895
820
1/4W
TP111
Q8889
NC
Q8888
UN9212J
B.L.OFF
SWITCH
Q8891
UN921LJ
PWM
SWITCH
Q8892
UMY1N
INVERTER
DRIVE
C8881
10u
15V
EKH91
J004
10V
E8890
J004
10V
Q8894
2SC3518-Z
Q8895
2SC3518-Z
TP13
Q8894,8895
SWITCHING DRIVE
ACC5V
TH8891
22k
ERTJ1VR223G
BLTE
TP6
R8891
7.5K
F
GALL
T8898
825TG-1340
T8899
825TG-1340
CB8899
SM37D18RBHK1TB
V-
V+ AC1380V
V+ AC1380V
From LCD401 (B)
C8892
0.1
GBL
GALL
TP35
TP41
VCH
VDD
HSY
FRPT
SYNI
FRPV
VCS
NTPC
VSY
MDW
MDN
PWM
VSS
COM
VB
VG
VR
R9711
100
R9710
100
R9709
100
VDD
R9781
1K
C9781
0.01
B
TP56
TP40
VCC Bx/Cx Cx Q
A B CLB GND
C9780
0.022
B
IC9780
TC7WH123FK
SYNC
TIMING CONTROL
C9790
0.022
B
R9790
100
TP39
IC9790
TC7S32FU
PWM BUFFER
GLCD
TP68
TP60
TP71
R9705
12K F
C9746
10u
16V
R9714
NC
TP62
TP64
TP65
C9713
0.01
B
TP63
R9743
4.7K
1/4W F
TP9715
TP66
C9715
0.01
B
TP9714
TP67
TP9713
C9717
0.01
B
R9746
1.2K F
R9717
75 F
R9715
75 F
R9713
75 F
TP70
GLCD
TP50
R9758
1K
C9756
100P
CH
R9756
20K F
Q9761,9762
COM DRIVE
VCH
TP52
TP55
R9755
1K
R9752
39K
F
IC9750
NJM4565V
COM AMP
TP8
R9754
4.3K
F
C9753
8P
CH
R9757
10K F
R9759
1.2K F
TP53
TP54
R9751
39K F
C9751
0.022 B
C9750
25V 1u
TP49
TP45
R9762
10
1/4W
R9764
7.5K
TP47
Q9762
UMY3N
TP46
E9761
10u
25V
R9768
30K
TP42
TP9817
COM
VR9765
10K
Q9761
UMY4N
TP43
TP48
TP44
R9761
10
1/4W
R9763
7.5K
R9765
1K
GLCD

LCD P. W. Board (2/2)

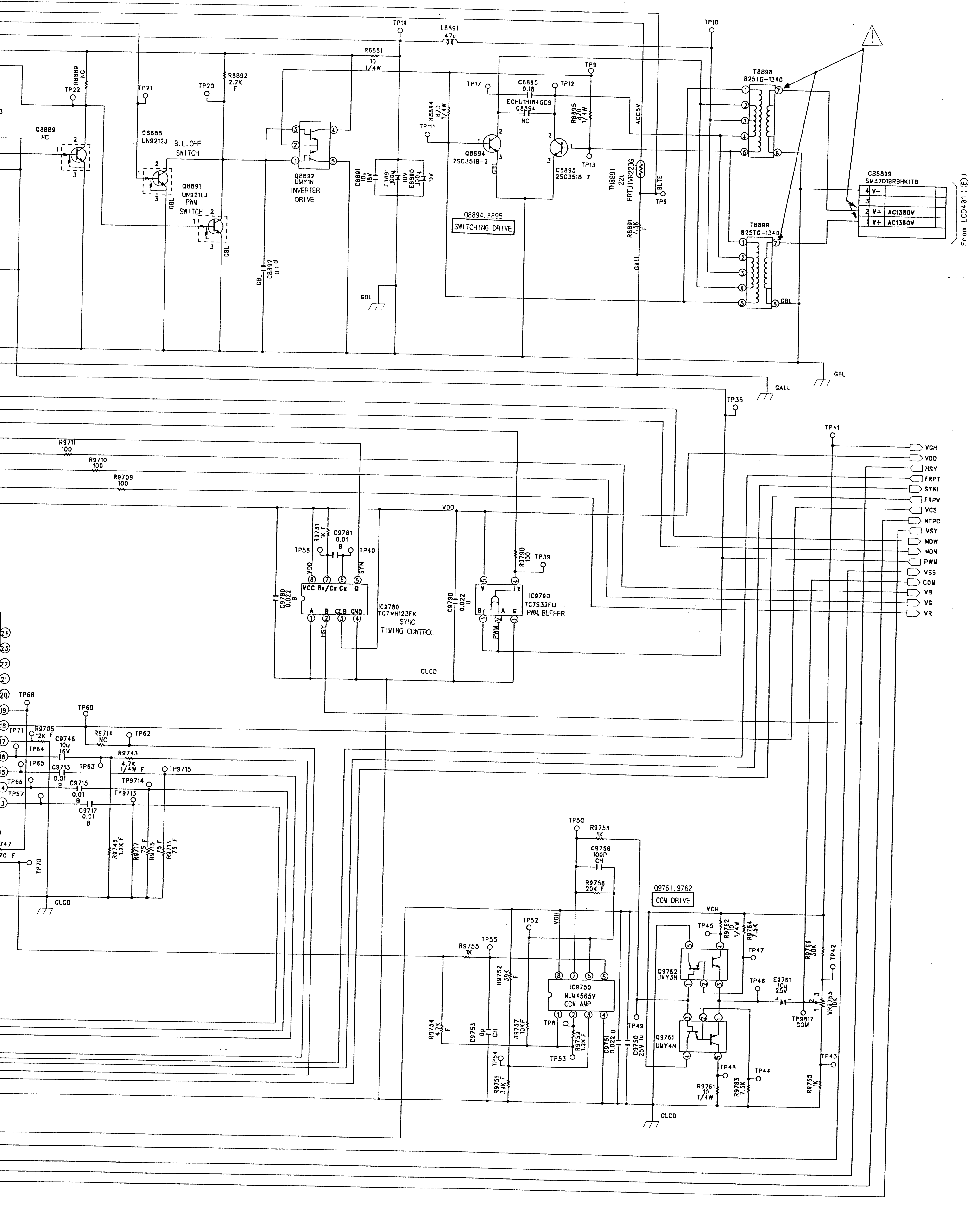
Schematic Diagram (4/7)


From Top P.W. Board (CI15700)
CB5700
SFV13R-1STE1
TO TOP
LED +9V 1
LED +9V 2
ACT LED 3
ACT-L 4
ACT-R 5
ACC/LED GND 6
ACC/LED GND 7
CLOSE CNT 8
K01 9
K02 10
K11 11
K12 12
K13 13
LED9V
ACTLED3
ACTLED2
ACTLED1
GALL
CLOSE
GALL
TP5711 K13
TP5712 K12
TP5713 K11
TP5714 K02
TP5715 K01
TP5716 CROSE CNT
TP5718 ACT1
TP5719 ACT2
TP5720 ACT3
TP5717 LED9V
From FPC MAIN P.W. Board (D)
CB9700
SFVH50R-1STE1
B.L +8.0V 50
B.L +8.0V 49
B.L +8.0V 48
NC 47
B.L GND 46
B.L GND 45
B.L GND 44
K13 43
K12 42
K11 41
K02 40
K01 39
uCON PWM 38
B.L OFF 37
ACT-R 36
ACT-L 35
ACT LED 34
CLOSE-CNT 33
ACC +5.0V 32
ACC +5.0V 31
B.L TEMP 30
ACC/LED GND 29
ACC/LED GND 28
REM FNC 27
DIM LPS 26
LCD PWM 25
LED +9.0V 24
LED +9.0V 23
NC 22
LCD -18.0V 21
LCD +13.0V 20
LCD +5.3V 19
LCD +5.3V 18
LCD +7.5V 17
LCD GND 16
LCD GND 15
LCD GND 14
BRIGHT 13
NTPC 12
NCCW 11
NCCN 10
H.SYNC 9
SYNC GND 8
V.SYNC 7
B 6
G 5
R 4
C.SYNC 3
RGB SW 2
1
From FPC FNC P.W. Board (H)
CB5720
SFW4R-1STE1
ACC/LED GND 1
REM FNC 2
ACC +5.0V 3
DIM LPS 4
GALL
REMFNC
ACC5V
DIMLP
GLCD
TP18
TP16
TP4
TP112
NTPC
TP5
TP34
TP174 TP175
GALL
TP92
TP93
TP94
Q8898 NC
NTPC
VBLF
R8898 NC
Q8893 NC
R8893 NC
TP31
TP30
TP33
R8882 NC
R8883 NC
TH8881 NC
TP29
GBL
E8884 NC
TP32
Q8884 NC
PWMIN
C8884 NC
C8885 NC
Q8885 NC
TP27
TP24
R8888 NC
TP7
C8888 NC
IC8880 NC
CNT RST
T.H OUT
D.C TRG
VCC GND
PWM
R8885 NC
TP28
VBLF
C8880 NC
C8881 NC
Q8886 NC
R8887 NC
R8886 NC
TP26
TP25
C8886 NC
TP83
TP84
TP85
VDD
R9732 20K
TP9727 GAM2
TP9726 GAM0
TP90
R9701 15 1/4W F
TP88
C9737 0.01 B
TP2
E9701 33u 25V
C9701 0.022 B
GLCD
C9710 1u B
C9709 1u B
R9731 11K
C9731 0.01
R9738 30K F
TP9738 SBR-B
R9737 22K F
C9733 0.01 B
TP89
R9733 22K F
R9734 30K F
TP9739 SBR-R
C9711 1u B
TP99
VR9735 10K
TP100
R9735 12K F
C9735 0.01 B
R9736 15K
TP9740 RGB-A
BRIGHT TP9741
C9705 0.01 B
R9742 1K F
TP102
VR9729 10K
TP103
R9729 15K
R9730 24K
TP9742 SCO-B
C9729 0.01 B
TP104
VR9727 10K
TP105
R9727 15K
R9728 24K
TP9743 SCO-R
C9727 0.01 B
TP101
TP106
VDD
R9704 1K
FRPT
FRPV
SYN
SYNI
IC9700
IR3Y26A1
LCD INTER FACE
B_OUT
VCC2
+7.5V
B_DCDET
G_DCDET
G_OUT
GND
R_DCDET
R_OUT
GAMMA_2
GAMMA_0
S_BRI_B
S_BRI_R
RGB_AMP
BRIGHT
S_CON_B
S_CON_R
COM_FRP
FRP
SYNC_I
SYNC_OUT CSYNCSEP
COM AMP
COM OUT
CONT
B_IN_1
GND
G_IN1
R_IN_1
VCC1
H_FIL_O
SW
REG_OUT
H_FIL_I
R_IN_2
G_IN_2
B_IN_2
TP75
C9747 10u 16V
E9751 10u 25V
TP176
TP9772
TP9771
R9772 100 1/4W
R9771 100 1/4W
TP110
TP109
GSYNC TP9899
ZD9771 NC
ZD9772 NC
VCC
1Y 1A 3Y 2Y 2A HSY VSY GND
C9770 0.022 B
IC9770
TC7W34FK
BUFFER
GSYNC
TP1
GLCD
R9723 24K
TP79
C9723 0.01 B
TP77
R9725 10K
C9725 0.018 B
TP76
TP74
TP73
TP72
C9716 0.01 B
C9714 0.01 B
C9712 0.01 B
VR9723 10K
TP9703 COM-A
VR9725 10K
TP9705 CONT
R9724 30K
TP80 TP78
R9726 22K F
TP9701
TP9700
E9700 100u 16V
Z9711 NFM39R02C101
Z9712 NFM39R02C101
Z9713 NFM39R02C101
TP177 TP59 TP58 TP57
TP178
GLCD
GALL

Caution: The
volt

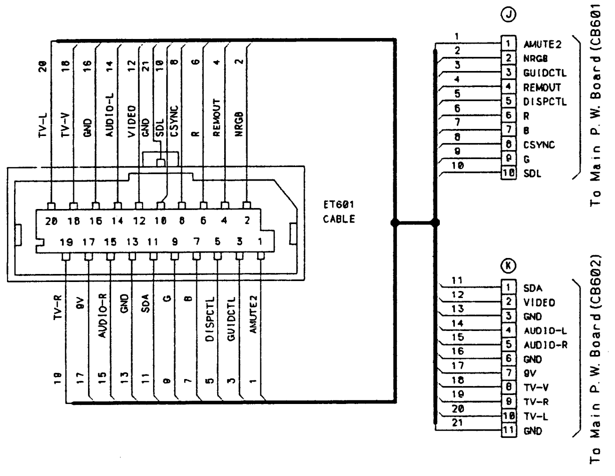

IC9700
IR3Y26A1
LCD INTER FACE
IC9770
TC7W34FK
BUFFER
IC9780
TC7WH123FK
SYNC
TIMING CONTROL
IC8880
NC
Q8892
UMY1N
INVERTER
DRIVE
Q8888
UN9212J
B.L.OFF
SWITCH
Q8891
UN921LJ
PWM
SWITCH_2
Q8898
NTPC
Q8893
Q8884
PWMIN
Q8885
Q8886
Q8889
TH8881
GBL
GALL
GLCD
VDD
VBLF
PWM
GSYNC
SYN
SYNI
FRPT
FRPV
B_OUT
B_DCDET
S_BRI_B
S_BRI_R
RGB_AMP
BRIGHT
S_CON_B
S_CON_R
COM_FRP
FRP
SYNC_I
SYNC_OUT
CSYNCSEP
H_FIL_O
SW
REG_OUT
H_FIL_I
R_IN_2
G_IN_2
B_IN_2
VCC2
G_DCDET
G_OUT
GND
R_DCDET
R_OUT
GAMMA_2
GAMMA_0
COM AMP
COM OUT
CONT
B_IN_1
G_IN1
R_IN_1
VCC1
Z9711
NFM39R02C101
Z9712
NFM39R02C101
Z9713
NFM39R02C101
ZD9771
ZD9772
L8891
47u
R8891
10
1/4W
R8892
2.7K
F
R9701
15
1/4W F
E9701
33u
25V
C9701
0.022
B
R9711
100
R9710
100
R9709
100
R9704
1K
R9772
100
1/4W
R9771
100
1/4W
E9700
100u
16V
E9751
10u
25V

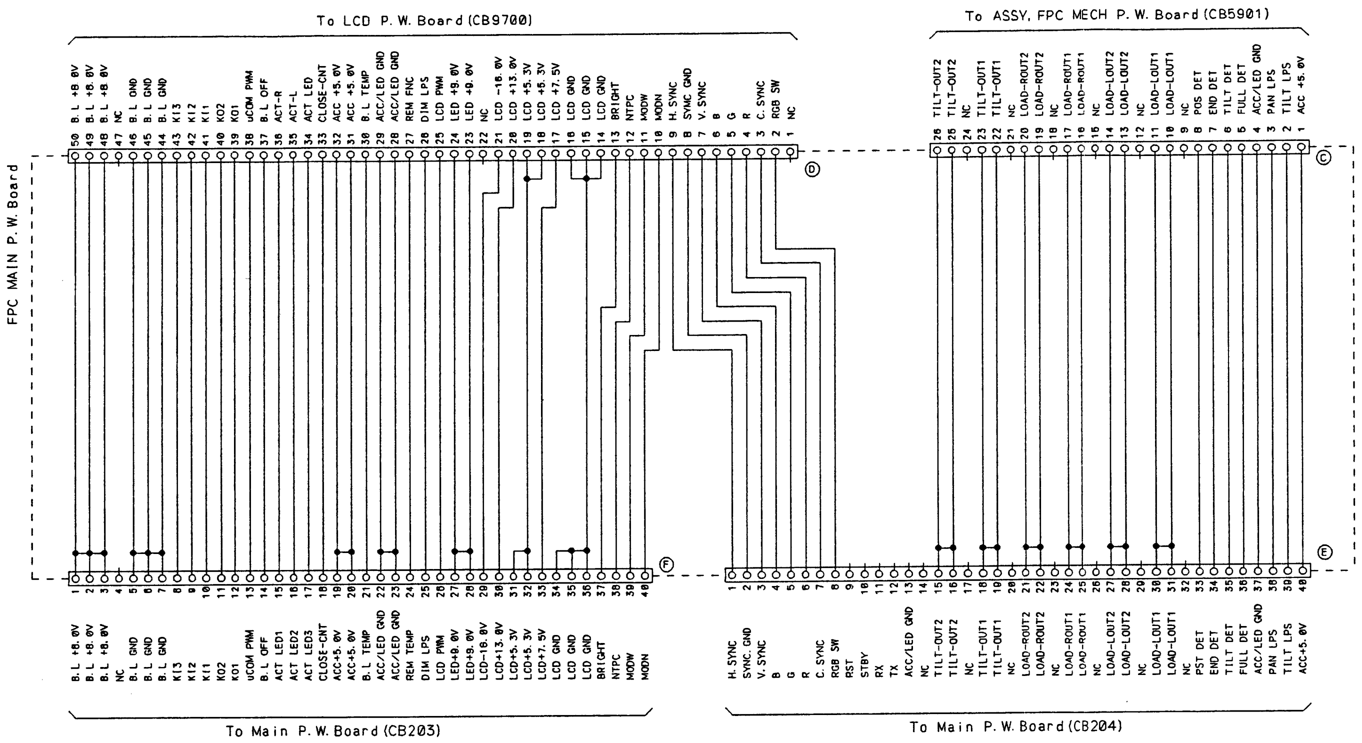
Caution: The part marked with ⚠ is generating a high voltage, so care will be necessary when working.


TP19
L8891
47u
TP10
R8881
10
1/4W
TP9
T8898
825TG-1340
R8889
NC
TP22
R8892
2.7K
F
TP21
TP20
TP17
C8895
0.18
TP12
ECHU1H184GC9
C8894
NC
R8894
820
1/4W
R8895
820
1/4W
TP111
ACC5V
Q8889
NC
Q8888
UN9212J
B.L.OFF
SWITCH
Q8891
UN921LJ
PWM
SWITCH
Q8892
UMY1N
INVERTER
DRIVE
C8881
10u
15V
EKH91
J004
10V
E8890
J004
10V
Q8894
2SC3518-Z
Q8895
2SC3518-Z
TP13
TH8891
22k
ERTJ1VR223G
BLTE
TP6
CB8899
SM37D18RBHK1TB
4 V-
3
2 V+ AC1380V
1 V+ AC1380V
From LCD401 (B)
Q8894, 8895
SWITCHING DRIVE
R8891
7.5K
F
T8899
825TG-1340
C8892
0.1
GBL
GALL
TP35
TP41
VGH
VDD
HSY
FRPT
SYNI
FRPV
VCS
NTPC
VSY
MDW
MDN
PWM
VSS
COM
VB
VG
VR
R9711
100
R9710
100
R9709
100
VDD
R9781
1K F
C9781
0.01
B
TP56
TP40
SYN
C9780
0.022
B
VCC Bx/Cx Cx Q
A B CLB GND
IC3780
TC7WH123FK
SYNC
TIMING CONTROL
C9790
0.022
B
R9780
100
TP39
IC9790
TC7S32FU
PWM BUFFER
GLCD
TP68
TP60
TP71
R9705
12K F
C9746
10u
16V
R9714
NC
TP62
TP64
TP65
C9713
0.01
B
TP63
R9743
4.7K
1/4W F
TP9715
C9715
0.01
B
TP9714
TP66
TP57
TP9713
C9717
0.01
B
R9746
1.2K F
R9717
75 F
R9715
75 F
R9713
75 F
TP70
TP50
R9758
1K
C9756
100P
CH
R9756
20K F
Q9761, 9762
CCM DRIVE
VCH
TP52
TP55
R9755
1K
R9752
39K
F
IC9750
NJM4565V
COM AMP
TP45
R9762
10
1/4W
R9764
7.5K
TP47
Q9762
UMY3N
TP46
E9761
10u
25V
R9766
30K
TP42
VR9765
10K
TP9817
COM
R9754
4.7K
F
C9753
8p
CH
R9757
10K F
TP8
R9759
1.2K F
C9751
0.022 B
C9750
25V 1u
TP49
Q9761
UMY4N
TP43
TP53
TP54
R9751
39K F
TP48
TP44
R9761
10
1/4W
R9763
7.5K
R9785
1K
GLCD

LCD P. W. Board (2/2)

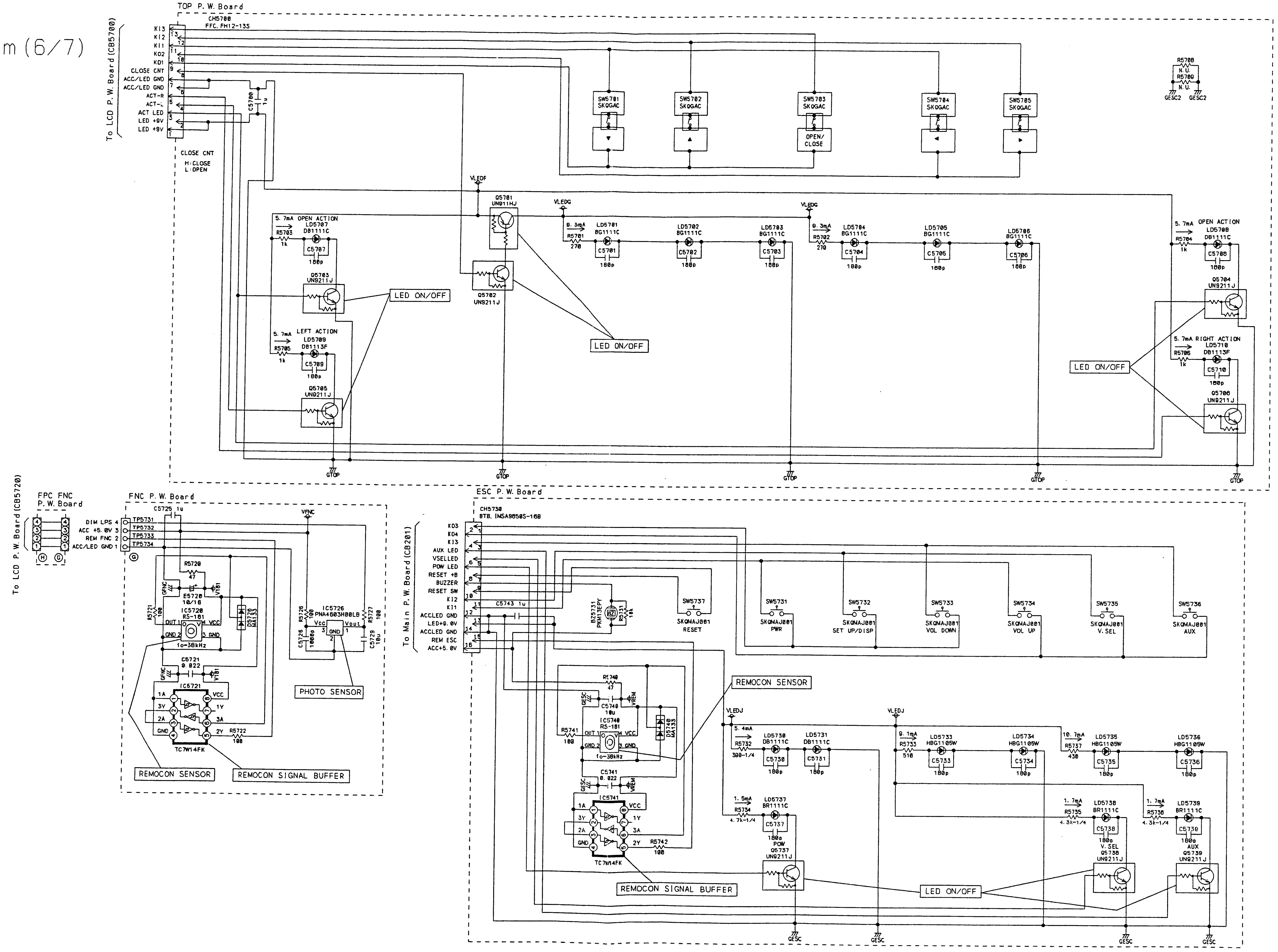
Schematic Diagram(5/7)


20 TV-L
18 TV-V
16 GND
14 AUDIO-L
12 VIDEO
21 GND
10 SDL
8 CSYNC
6 R
4 REMOUT
2 NRGB
20 18 16 14 12 10 8 6 4 2
19 17 15 13 11 9 7 5 3 1
19 TV-R
17 9V
15 AUDIO-R
13 GND
11 SDA
9 G
7 B
5 DISPCTL
3 GUIDCTL
1 AMUTE2
ET601
CABLE
Ⓙ
1 AMUTE2
2 NRGB
3 GUIDCTL
4 REMOUT
5 DISPCTL
6 R
7 B
8 CSYNC
9 G
10 SDL
To Main P. W. Board (CB601)
Ⓚ
11 1 SDA
12 2 VIDEO
13 3 GND
14 4 AUDIO-L
15 5 AUDIO-R
16 6 GND
17 7 9V
18 8 TV-V
19 9 TV-R
20 10 TV-L
21 11 GND
To Main P. W. Board (CB602)


To LCD P. W. Board (CB9700)
50 B. L +8. 0V
49 B. L +8. 0V
48 B. L +8. 0V
47 NC
46 B. L GND
45 B. L GND
44 B. L GND
43 KI3
42 KI2
41 KI1
40 KO2
39 KO1
38 uCOM PWM
37 B. L OFF
36 ACT-R
35 ACT-L
34 ACT LED
33 CLOSE-CNT
32 ACC +5. 0V
31 ACC +5. 0V
30 B. L TEMP
29 ACC/LED GND
28 ACC/LED GND
27 REM FNC
26 DIM LPS
25 LCD PWM
24 LED +9. 0V
23 LED +9. 0V
22 NC
21 LCD -16. 0V
20 LCD +13. 0V
19 LCD +5. 3V
18 LCD +5. 3V
17 LCD +7. 5V
16 LCD GND
15 LCD GND
14 LCD GND
13 BRIGHT
12 NTPC
11 MODW
10 MODN
9 H. SYNC
8 SYMC GND
7 V. SYNC
6 B
5 G
4 R
3 C. SYNC
2 RGB SW
1 NC
Ⓓ
To ASSY, FPC MECH P. W. Board (CB5901)
26 TILT-OUT2
25 TILT-OUT2
24 NC
23 TILT-OUT1
22 TILT-OUT1
21 NC
20 LOAD-ROUT2
19 LOAD-ROUT2
18 NC
17 LOAD-ROUT1
16 LOAD-ROUT1
15 NC
14 LOAD-LOUT2
13 LOAD-LOUT2
12 NC
11 LOAD-LOUT1
10 LOAD-LOUT1
9 NC
8 POS DET
7 END DET
6 TILT DET
5 FULL DET
4 ACC/LED GND
3 PAN LPS
2 TILT LPS
1 ACC +5. 0V
Ⓒ
FPC MAIN P. W. Board
1 B. L +8. 0V
2 B. L +8. 0V
3 B. L +8. 0V
4 NC
5 B. L GND
6 B. L GND
7 B. L GND
8 KI3
9 KI2
10 KI1
11 KO2
12 KO1
13 uCOM PWM
14 B. L OFF
15 ACT LED1
16 ACT LED2
17 ACT LED3
18 CLOSE-CNT
19 ACC+5. 0V
20 ACC+5. 0V
21 B. L TEMP
22 ACC/LED GND
23 ACC/LED GND
24 REM TEMP
25 DIM LPS
26 LCD PWM
27 LED+9. 0V
28 LED+9. 0V
29 LCD-16. 0V
30 LCD+13. 0V
31 LCD+5. 3V
32 LCD+5. 3V
33 LCD+7. 5V
34 LCD GND
35 LCD GND
36 LCD GND
37 BRIGHT
38 NTPC
39 MODW
40 MODN
Ⓕ
To Main P. W. Board (CB203)
1 H. SYNC
2 SYNC. GND
3 V. SYNC
4 B
5 G
6 R
7 C. SYNC
8 RGB SW
9 RST
10 STBY
11 RX
12 TX
13 ACC/LED GND
14 NC
15 TILT-OUT2
16 TILT-OUT2
17 NC
18 TILT-OUT1
19 TILT-OUT1
20 NC
21 LOAD-ROUT2
22 LOAD-ROUT2
23 NC
24 LOAD-ROUT1
25 LOAD-ROUT1
26 NC
27 LOAD-LOUT2
28 LOAD-LOUT2
29 NC
30 LOAD-LOUT1
31 LOAD-LOUT1
32 NC
33 PST DET
34 END DET
35 TILT DET
36 FULL DET
37 ACC/LED GND
38 PAN LPS
39 TILT LPS
40 ACC+5. 0V
Ⓔ
To Main P. W. Board (CB204)

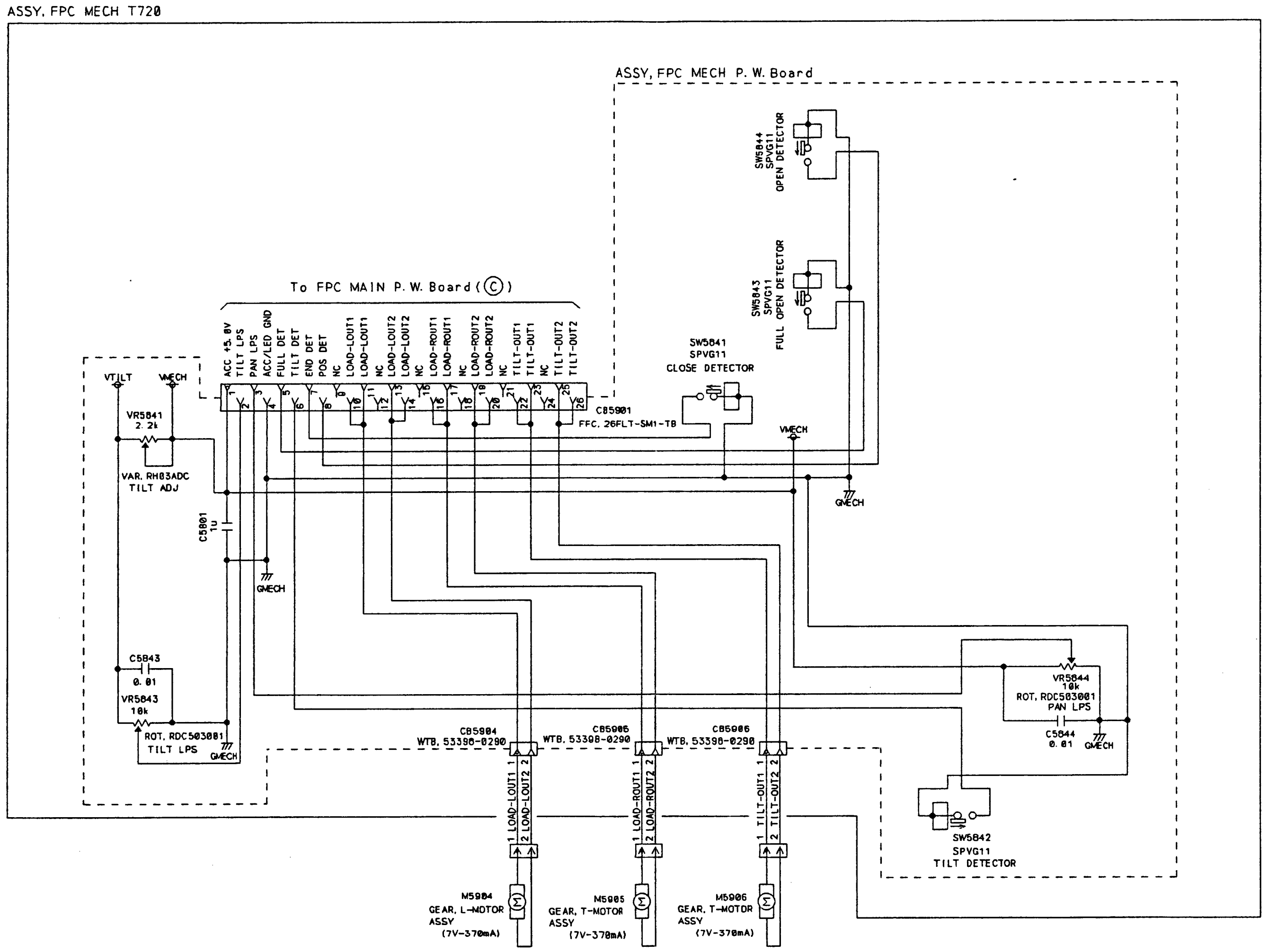
TME-M790

Schematic Diagram(6/7)


TOP P. W. Board
CH5700
FFC. FH12-13S
To LCD P. W. Board (CB5700)
KI3
KI2
KI1
KO2
KO1
CLOSE CNT
ACC/LED GND
ACC/LED GND
ACT-R
ACT-L
ACT LED
LED +9V
LED +9V
C5700 1u
CLOSE CNT
H: CLOSE
L: OPEN
SW5701 SKQGAC ▼
SW5702 SKQGAC ▲
SW5703 SKQGAC OPEN/CLOSE
SW5704 SKQGAC ◄
SW5705 SKQGAC ►
R5708 N. U.
R5709 N. U.
GESC2
VLEDF
Q5701 UN911HJ
VLEDG
5. 7mA OPEN ACTION
LD5707 DB1111C
R5703 1k
C5707 100p
Q5703 UN9211J
LED ON/OFF
9. 3mA
R5701 270
LD5701 BG1111C
C5701 100p
LD5702 BG1111C
C5702 100p
LD5703 BG1111C
C5703 100p
R5702 270
LD5704 BG1111C
C5704 100p
LD5705 BG1111C
C5705 100p
LD5706 BG1111C
C5706 100p
Q5702 UN9211J
5. 7mA LEFT ACTION
LD5709 DB1113F
R5705 1k
C5709 100p
Q5705 UN9211J
5. 7mA OPEN ACTION
LD5708 DB1111C
R5704 1k
C5708 100p
Q5704 UN9211J
5. 7mA RIGHT ACTION
LD5710 DB1113F
R5706 1k
C5710 100p
Q5706 UN9211J
GTOP
To LCD P. W. Board (CB5720)
FPC FNC P. W. Board
H
G
FNC P. W. Board
C5725 1u
DIM LPS 4
ACC +5. 0V 3
REM FNC 2
ACC/LED GND 1
TP5731
TP5732
TP5733
TP5734
VFNC
R5720 47
GFNC
E5720 10/16
V101
R5721 100
IC5720 RS-101
OUT 1
GND 2
VCC 4
3 GND
fo=38kHz
D5720 MA133
C5721 0. 022
IC5721
1A
3Y
2A
GND
VCC
1Y
3A
2Y
R5722 100
TC7W14FK
R5726 100
IC5726 PNA4603H00LB
Vcc
GND
Vout
C5726 1000p
R5727 100
C5729 10u
PHOTO SENSOR
REMOCON SENSOR
REMOCON SIGNAL BUFFER
ESC P. W. Board
CH5730
BTB. IMSA9850S-16B
To Main P. W. Board (CB201)
KO3
KO4
KI3
AUX LED
VSELLED
POW LED
RESET +B
BUZZER
RESET SW
KI2
KI1
ACCLED GND
LED+9. 0V
ACCLED GND
REM ESC
ACC+5. 0V
C5743 1u
BZ5731 PKM13EPY
R5731 10k
SW5737 SKQMAJ001 RESET
SW5731 SKQMAJ001 PWR
SW5732 SKQMAJ001 SET UP/DISP
SW5733 SKQMAJ001 VOL DOWN
SW5734 SKQMAJ001 VOL UP
SW5735 SKQMAJ001 V. SEL
SW5736 SKQMAJ001 AUX
REMOCON SENSOR
R5740 47
GESC
VREM
C5740 10u
IC5740 RS-101
R5741 100
D5740 MA133
fo=38kHz
C5741 0. 022
IC5741
TC7W14FK
R5742 100
REMOCON SIGNAL BUFFER
VLEDJ
5. 4mA
R5732 300-1/4
LD5730 DB1111C
C5730 100p
LD5731 DB1111C
C5731 100p
9. 1mA
R5733 510
LD5733 HBG1109W
C5733 100p
LD5734 HBG1109W
C5734 100p
10. 7mA
R5737 430
LD5735 HBG1109W
C5735 100p
LD5736 HBG1109W
C5736 100p
1. 5mA
R5734 4. 7k-1/4
LD5737 BR1111C
C5737 100p
POW
Q5737 UN9211J
1. 7mA
R5735 4. 3k-1/4
LD5738 BR1111C
C5738 100p
V. SEL
Q5738 UN9211J
1. 7mA
R5736 4. 3k-1/4
LD5739 BR1111C
C5739 100p
AUX
Q5739 UN9211J
LED ON/OFF
GESC

NOTE: N. U. is Not Used Parts.

Schematic Diagram (7/7)


ASSY, FPC MECH T720
ASSY, FPC MECH P. W. Board
To FPC MAIN P. W. Board (Ⓒ)
ACC +5.0V
TILT LPS
PAN LPS
ACC/LED GND
FULL DET
TILT DET
END DET
POS DET
NC
LOAD-LOUT1
LOAD-LOUT1
NC
LOAD-LOUT2
LOAD-LOUT2
NC
LOAD-ROUT1
LOAD-ROUT1
NC
LOAD-ROUT2
LOAD-ROUT2
NC
TILT-OUT1
TILT-OUT1
NC
TILT-OUT2
TILT-OUT2
CB5901
FFC, 26FLT-SM1-TB
VTILT
VMECH
VR5841
2.2k
VAR, RH03ADC
TILT ADJ
C5801
1u
GMECH
C5843
0.01
VR5843
10k
ROT, RDC503001
TILT LPS
GMECH
SW5844
SPVG11
OPEN DETECTOR
SW5843
SPVG11
FULL OPEN DETECTOR
SW5841
SPVG11
CLOSE DETECTOR
VMECH
GMECH
VR5844
10k
ROT, RDC503001
PAN LPS
C5844
0.01
GMECH
CB5904
WTB, 53398-0290
CB5905
WTB, 53398-0290
CB5906
WTB, 53398-0290
1 LOAD-LOUT1
2 LOAD-LOUT2
1 LOAD-ROUT1
2 LOAD-ROUT2
1 TILT-OUT1
2 TILT-OUT2
SW5842
SPVG11
TILT DETECTOR
M5904
GEAR, L-MOTOR
ASSY
(7V-370mA)
M5905
GEAR, T-MOTOR
ASSY
(7V-370mA)
M5906
GEAR, T-MOTOR
ASSY
(7V-370mA)

NOTE: Parts mounted inside of Assy, FPC MECH T720
are not describedon the Electrical Parts List.

Terminal Voltage of IC/TR

IC102			
1	4.39	11	8.83
2	0.35	12	4.4
3	0.25	13	0.06
4	8.26	14	0.05
5	4.42	15	4.43
6	0.09	16	4.42
7	0.05	17	4.42
8	0	18	4.43
9	4.93	19	4.42
10	4.02	20	4.4

IC103	
1	4.41
2	0.07
3	4.4
4	0
5	4.4
6	4.41
7	4.41
8	8.83

IC104	
1	4.41
2	4.41
3	4.39
4	0
5	4.39
6	4.41
7	4.41
8	8.84

IC105			
1	4.4	9	0.07
2	0.19	10	8.81
3	4.4	11	0.18
4	0.82	12	4.4
5	4.4	13	4.41
6	0	14	4.4
7	0	15	0.21
8	0	16	8.84

IC107	
1	4.41
2	4.41
3	0.07
4	0
5	0.08
6	4.41
7	4.41
8	0.07

IC108	
1	4.4
2	0
3	4.41
4	4.41
5	8.83

IC110	
1	0
2	0
3	0.59
4	0
5	0
6	4.05
7	8.8
8	0

IC201	
1	7.89
2	0
3	12.7

IC202	
1	6.7
2	0
3	2.48

IC203	
1	13.9
2	8.88
3	0.09
4	1.23
5	0.08

IC204	
1	6.65
2	4.97
3	0

IC205			
1	4.88	8	4.9
2	4.95	9	4.88
3	4.9	10	4.95
4	4.88	11	0
5	0	12	0
6	4.9	13	0
7	0	14	4.9

IC208	
1	0.08
2	0.09
3	0.05
4	0.08
5	0.08
6	0.08
7	0.08
8	0.06

IC206			
1	0.41	9	7.86
2	0.02	10	0.26
3	0.64	11	0.5
4	0.64	12	0.35
5	0.33	13	0.46
6	0.54	14	1.19
7	5	15	1.64
8	0	16	1.19

IC207			
1	0.08	11	0.06
2	0.09	12	0.06
3	0.08	13	0.08
4	0.08	14	0.09
5	0.09	15	0.1
6	1	16	0.06
7	0.08	17	0.07
8	0.07	18	0.07
9	0.07	19	0.07
10	0.06	20	0.09

IC301	
1	6.41
2	0.04
3	0.06
4	0.06
5	0.06
6	2.42
7	0.94
8	0.06

IC601			
1	4.9	9	0.03
2	0.09	10	0.07
3	0.07	11	0.05
4	4.95	12	0.1
5	0.06	13	0.06
6	0.07	14	0.07
7	0.08	15	0.09
8	0.08	16	0.09

IC603	
1	0.07
2	4.94
3	0
4	0.01
5	4.91

IC602									
1	4.95	21	0	41	0	61	0	81	3.95
2	0	22	0	42	0	62	4.95	82	0
3	4.93	23	4.95	43	0	63	4.97	83	0
4	0	24	0.99	44	0	64	4.91	84	0
5	4.95	25	0	45	0.02	65	0	85	0
6	4.93	26	0	46	0	66	2.35	86	4.94
7	4.93	27	4.96	47	0	67	2.11	87	4.91
8	4.94	28	4.96	48	0	68	4.95	88	5.32
9	4.94	29	4.96	49	0.47	69	4.89	89	0
10	0	30	0	50	0	70	0.21	90	0
11	0	31	4.95	51	0	71	4.81	91	0
12	0.66	32	4.95	52	0	72	0	92	0
13	0.24	33	4.95	53	0	73	4.95	93	0
14	3.88	34	4.94	54	0	74	4.95	94	0
15	0	35	4.94	55	0	75	4.93	95	0
16	0.17	36	4.95	56	0	76	4.97	96	0
17	4.95	37	0	57	0	77	4.9	97	4.88
18	4.95	38	0.06	58	4.95	78	0	98	4.88
19	0.97	39	4.88	59	0	79	0	99	4.92
20	0	40	0.06	60	4.95	80	0	100	0

IC604	
1	0.07
2	0
3	2.11
4	2.11
5	4.9

IC605	
1	0
2	0.01
3	0
4	0
5	4.93
6	0.27
7	0
8	4.95

IC606	
1	0
2	0
3	0
4	0
5	0.01
6	0
7	0
8	4.95

IC607	
1	4.91
2	4.91
3	0
4	0
5	0

IC670							
1	2.45	12	0	23	0	34	0
2	0.01	13	0	24	0	35	0
3	4.97	14	0	25	0	36	0
4	4.91	15	0	26	1.2	37	2.72
5	4.91	16	0	27	1.2	38	2.47
6	4.91	17	0	28	1.2	39	4.97
7	4.91	18	0	29	1.11	40	4.97
8	3.85	19	0	30	2.44	41	4.91
9	3.96	20	0.16	31	4.95	42	0
10	0	21	4.94	32	4.95	43	3.86
11	0	22	4.93	33	4.93	44	2.54

IC671	
1	0
2	0
3	0
4	0
5	0.06
6	0.01
7	0.05
8	4.97

IC702	
1	0.97
2	0.57
3	0
4	4.51
5	4.96

IC703							
1	2.4	13	3.03	25	3.85	37	2.07
2	3.02	14	4.21	26	2.07	38	2.2
3	2.47	15	2.58	27	3.21	39	0
4	0.83	16	3.05	28	2.07	40	2.26
5	0	17	0	29	1.65	41	2.24
6	2.94	18	0	30	2.19	42	2.27
7	3.34	19	3	31	2.15	43	4.96
8	0.92	20	3.85	32	2.15	44	1.26
9	1.93	21	3.03	33	0	45	1.98
10	1.9	22	3.85	34	0.5	46	2.52
11	1.81	23	7.72	35	0.58	47	3.19
12	2.66	24	2.97	36	2.48	48	2.37

IC704	
1	0.06
2	0.07
3	0.07
4	0.07
5	0.07
6	0.07
7	1.21
8	0.08

IC705			
1	4.89	9	0.43
2	4.96	10	4.96
3	4.96	11	4.96
4	4.53	12	4.46
5	0.51	13	0.43
6	0	14	0
7	4.51	15	4.57
8	0	16	4.96

IC706	
1	4.39
2	0
3	0
4	0
5	0
6	0
7	0
8	4.96

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IC707	
1	8.04
2	0
3	8.84

IC708	
1	NC
2	4.64
3	0
4	NC
5	0

IC709	
1	3.06
2	0
3	0
4	0
5	4.64
6	0
7	0
8	4.96

IC850			
1	0.72	8	0.72
2	0	9	0
3	0	10	0
4	0.72	11	0
5	0.02	12	0
6	0.02	13	0.02
7	0	14	4.97

IC851			
1	0.05	9	4.74
2	4.9	10	0.09
3	4.97	11	0.09
4	4.88	12	0.09
5	4.97	13	4.97
6	0.09	14	4.76
7	4.88	15	0
8	0	16	4.97

IC852							
1	0	8	4.89	15	4.95	22	0.03
2	0.89	9	0.05	16	0	23	4.96
3	0.83	10	0.05	17	4.95	24	4.96
4	0	11	4.93	18	0.01	25	0.51
5	4.96	12	5.29	19	0	26	0
6	4.96	13	4.95	20	0.02	27	0
7	0	14	0.06	21	0.02	28	0

IC853			
1	3.21	9	2.89
2	0.03	10	0.24
3	1.82	11	2.89
4	0.06	12	0.03
5	0.06	13	4.96
6	0.07	14	3.2
7	0.06	15	0
8	0.06	16	2.89

IC854			
1	1.58	9	1.58
2	0	10	0
3	1	11	1.7
4	0	12	0
5	1.01	13	4.96
6	1.01	14	1.74
7	0	15	0
8	1.71	16	1.71

IC855			
1	4.96	7	0.07
2	2.51	8	2.45
3	2.88	9	4.96
4	2.43	10	2.5
5	2.35	11	4.96
6	2.42	12	2.54

IC901					
1	0.07	10	0.07	19	0
2	0.07	11	0.06	20	0
3	0.07	12	0.06	21	8.47
4	0.05	13	0.06	22	0.06
5	0.05	14	0.07	23	0.05
6	0	15	0.05	24	0.06
7	0	16	9.73	25	0.05
8	0	17	9.73		
9	0	18	0		

IC902									
1	0	6	0	11	0	16	9.72	21	8.46
2	0	7	0	12	0	17	9.72	22	0
3	0	8	0	13	0	18	0	23	0
4	0	9	0.02	14	0	19	0	24	0
5	0.01	10	0	15	0.01	20	0	25	0

IC903									
1	0	6	0	11	0.01	16	9.72	21	6.9
2	0	7	0	12	0.03	17	9.72	22	0
3	0	8	0	13	0.07	18	0	23	0
4	0	9	0	14	0.06	19	0	24	0
5	0.01	10	0	15	0.05	20	0	25	0

IC5720	
1	4.8
2	0
3	0
4	4.8

IC5721	
1	0
2	0
3	0
4	0
5	4.8
6	4.8
7	4.8
8	4.8

IC5726	
1	*
2	0
3	4.7

* Conformity with
surrouding brightness.

IC5740	
1	4.8
2	0
3	0
4	4.8

IC5741	
1	0
2	0
3	0
4	0
5	4.8
6	4.8
7	4.8
8	4.8

IC9700									
1	0	11	0	21	0	31	0	41	2.11
2	3.29	12	0	22	0	32	2.64	42	2.19
3	2.24	13	2.25	23	0	33	3	43	2.21
4	3.65	14	2.26	24	0	34	7.75	44	0
5	2.27	15	2.27	25	0	35	2.66	45	2.62
6	2.02	16	2.09	26	2.09	36	0	46	2.62
7	0	17	1.25	27	2.1	37	3.03	47	0.92
8	2.02	18	0	28	0	38	2.23	48	0.52
9	2.02	19	4.13	29	2.65	39	2.24		
10	5.29	20	0	30	3.08	40	2.21		

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IC9750	
1	6.49
2	6.49
3	6.48
4	0
5	6.49
6	6.49
7	6.49
8	12.95

IC9770	
1	5.16
2	0
3	4.76
4	0
5	4.8
6	0
7	5.21
8	5.29

IC9780	
1	0
2	4.76
3	5.29
4	0
5	0.92
6	0
7	4.55
8	5.29

IC9790	
1	5.19
2	5.19
3	0
4	5.24
5	5.29

IC9800							
1	0.02	19	0	37	4.63	55	0
2	0.02	20	4.69	38	2.86	56	0
3	0	21	4.69	39	0	57	4.65
4	4.76	22	5.19	40	0	58	4.2
5	5.24	23	0	41	0	59	0
6	2.61	24	5.24	42	0	60	5.24
7	0.52	25	5.24	43	2.62	61	0
8	2.61	26	0	44	2.57	62	0
9	0	27	5.24	45	5.24	63	0
10	0	28	0.02	46	0	64	0
11	4.96	29	0	47	2.16	65	5.13
12	5.16	30	0.91	48	5.24	66	0
13	5.24	31	5.24	49	5.13	67	5.24
14	0	32	5.24	50	5.13	68	0
15	5.24	33	5.24	51	5.25	69	5.24
16	5.24	34	0	52	5.25	70	2.6
17	0	35	5.24	53	0	71	2.6
18	0	36	2.26	54	0	72	0

IC9840	
1	2.85
2	0
3	2.87
4	2.91
5	5.25

	1	2	3	4	5
Q111	0.06	0.02	13.9	0.03	13.9
Q206	0	4.19	13.9	13.8	0.01
Q207	0	0.09	4.97	4.94	0.09
Q208	0	5.45	4.94	4.91	0
Q210	0	4.91	13.95	13.88	0.01
Q219	0	4.19	4.97	4.9	0
Q220	0	2.19	4.97	4.9	0
Q304	10.1	10.3	10.1	13.8	0
Q605	0	0.01	13.9	0	13.9
Q606	0	4.73	4.97	4.91	0
Q906	0.07	4.38	13.8	13.8	0.01
Q8892	0.82	0.47	0.82	8.05	0
Q9761	6.54	0.09	6.53	12.98	0
Q9762	6.53	5.96	6.54	13.02	0

	E	C	B		E	C	B
Q109	0	8.82	0	Q724	0	0.02	4.74
Q110	0	0.01	4.74	Q726	0	0.36	0
Q112	0	0	0.27	Q727	1.29	0	0.61
Q203	6.18	11.5	6.7	Q728	0	0	4.65
Q205	6.18	11.5	6.7	Q730	0	0.27	0
Q209	7.85	12.9	8.39	Q731	0	0	4.64
Q214	0	0	4.91	Q901	9.72	14	10.2
Q217	0	7.48	0.26	Q902	9.72	14	10.2
Q218	7.83	0.83	7.24	Q903	8.41	9.63	8.81
Q221	0	2.71	0	Q904	9.71	14	10.2
Q222	4.9	4.88	3.08	Q905	9.71	14	10.2
Q301	13.9	13.8	13.2	Q907	8.44	9.71	8.84
Q302	13.8	8.44	10.3	Q5701	8.8	8.7	0
Q303	0	0.08	4.91	Q5702	0	0	4.5
Q601	0	4.9	0	Q5703	0	0	4.1
Q602	0	0	4.49	Q5704	0	0	4.1
Q603	1.01	0	0.48	Q5705	0	6.9	0
Q604	0	0.01	4.74	Q5706	0	6.9	0
Q702	6.05	7.7	6.7	Q5737	0	0	4.9
Q704	6.05	7.7	6.7	Q5738	0	0	4.5
Q706	6.06	7.7	6.71	Q5739	0	0	4.2
Q707	3.22	6.7	3.83	Q8888	0	0.82	0
Q708	3.2	6.7	3.81	Q8891	0	0.82	0
Q709	3.17	6.71	3.78	Q8894	0	8.08	0
Q715	1.95	0	1.41	Q8895	0	8.08	0
Q719	1.81	0	1.26	Q9851	0.07	8.04	2.87
Q723	0	4.96	0.06				

	1	2	3	4	5	6
Q101	0	0	0.04	0.37	0	0.21

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter and Oscilloscope
- Measuring Point Reference : Between GND
- Measuring Condition : PAL Color Bar (B.BOX Connection)

Description of IC Terminal

HD64F3062RFJ20 : IC602

No.	Symbol	I/O	Terminal Description
1	VCC	—	Power supply terminal.
2	FRONT SEL	O	Front AUX switching control output terminal.
3	NTSC/PAL	O	NTSC/PAL picture switching control output terminal. H:NTSC, L:PAL
4	WORLD1	I	Area setting terminal. WORLD1,WORLD2:(L,L)J, (H,L)A, (L,H)R
5	WORLD2		
6	AI-INT	O	Ai-NET output terminal.
7	M-POWER	O	Power supply terminal (MAIN-POWER).
8	FRONT INT	I	Front AUX input detection terminal.
9	B.L.PWM	O	PWM output terminal for DIMMER.
10	NC	—	No connect terminal.
11	VSS	—	GND connect terminal.
12	TXD	O	TXD terminal for Mechanism μ-COM communication.
13	OSDDAT	O	OSD3 communication DATA output terminal.
14	RXD	I	RXD terminal for Mechanism μ-COM communication.
15	NC	—	No connect terminal.
16	FSTANDBY	O	Stand-by control output terminal of Mechanism μ-COM.
17	OSDCLK	O	OSD3 communication Clock output terminal.
18	OSDLAT	O	OSD3 communication Latch output terminal.
19	OSDRST	O	Reset output terminal to OSD3.
20	NC	—	No connect terminal.
21			
22	VSS	—	GND connect terminal.
23	MODEN	O	Wide Mode control terminal.
24	MODEW		
25	VSELLED	O	V.SEL-LED control terminal.
26	DACLOAD	O	Load output terminal of D/A(μPD6325) communication.
27	DACCLK	O	Clock output terminal of D/A(μPD6325) communication.
28	DACDATA	O	Data output terminal of D/A(μPD6325) communication.
29	VMUTE	O	Front Video Mute control output terminal.
30	RGB/COM	O	RGB/COMPOSITE select control output terminal. H:RGB, L:COMPOSITE
31	SDA	O	Data output terminal of A/V selector(CXA2069) communication.
32	SCL	O	Clock output terminal of A/V selector(CXA2069) communication.
33	AMUTE1	O	Front Audio Mute control output terminal.
34	AMUTE2	O	Rear Audio Mute control output terminal.
35	VCC	—	Power supply terminal.
36	VOLCLK	O	Clock signal output terminal of EVOL(CXA1846AN) communication.
37	VOLDAT	O	Data signal output terminal of EVOL(CXA1846AN) communication.
38	VOLCE	O	CE signal output terminal of EVOL(CXA1846AN) communication.
39	VOLRST	O	Reset signal output terminal of EVOL(CXA1846AN) .
40	STEREO	—	No connect terminal.
41	BILING		
42	SUB		
43	MAIN		
44	VSS	-	GND connect terminal.
45	SD	—	No connect terminal.
46	PCLK		

No.	Symbol	I/O	Terminal Description
47	PDATA	—	No connect terminal.
48	PLAT		
49	PLOCK		
50	BST ON		
51	ATT ON		
52	DIV		
53	FMDATA		
54	FMCLK		
55	FMCE		
56	FMACT		
57	VSS	—	GND connect terminal.
58	REMOCON(N)	0	Remocon signal output control terminal to Navigation.
59	REMOCON(1)	0	Remocon signal output control terminal to AUX1.
60	REMOCON(2)	0	Remocon signal output control terminal to AUX2.
61	NC	0	No connect terminal.
62	STBY	—	Pull-Up connect terminal.
63	RESET	I	System reset input terminal.
64	ACC-DET	I	ACC detection terminal. (Stand-by out detection)
65	VSS	—	GND connect terminal.
66	EXTAL	-	Crystal oscilator connect terminal.
67	XTAL		
68	VDD	—	Power supply terminal.
69	HAND PARK	I	Hand Parking input terminal. H:Stop, L:Running
70	FOOT PARK	I	Foot Parking input terminal. H:Running, L:Stop
71	GUIDCTL	I	Navigation guide control input terminal. H:Interrupt
72	DISPCTL	I	Navigation display control input terminal. H:Navi, L:No
73	MD0	I	"H"
74	MD1		
75	MD2		
76	AVDD	—	Power supply terminal for A/D converter.
77	VREF	—	Standard voltage terminal for A/D,D/A converter.
78	NRGB	I	RGB/NTSC judgment input terminal. H:RGB, L:NTSC
79	SM	—	GND connect terminal.
80	RF AGC		
81	DIM	I	Brightness input terminal from Photo Sensor.
82	NC	—	GND connect terminal.
83			
84			No connect terminal.
85			
86	AVSS	—	GND connect terminal for A/D,D/A converter.
87	BAT-DET	I	BATT detection terminal.
88	ACC-DET	I	ACC detection terminal.
89	LCD-PWM	I	LCD-PWM signal input terminal.
90	VSYNC	—	GND connect terminal.
91	NC	—	No connect terminal.
92	VSS	—	GND connect terminal.
93	NC	—	No connect terminal.
≀			
96			

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No.	Symbol	I/O	Terminal Description
97	REMCON INT	I	Remote control signal input terminal.
98	REMCON		
99	BEEP	O	BEEP signal output terminal.
100	NC	—	No connect terminal.

D78P083GB3BSMTX : IC670

No.	Symbol	I/O	Terminal Description
1	LCD-TEMP	I	Sermister voltage input terminal.
2	EEPCLK	O	Clock output terminal of EEPROM I2C communication.
3	EEPDAT	I/O	Data input/output terminal of EEPROM I2C communication.
4	TLTSW	I	Horizontal position detection terminal.
5	POSSW	I	Discharge position detection terminal.
6	ENDSW	I	Storage position detection terminal.
7	FULLSW	I	Front position detection terminal.
8	TXD	O	UART communication data output terminal between μ-COM.
9	RXD	I	UART communication data input terminal between μ-COM.
10	LDL-MTR1	O	Motor drive terminal-1 for the horizontal movement, left neck pretense movement adjustment.
11	LDL-MTR2	O	Motor drive terminal-2 for the horizontal movement, left neck pretense movement adjustment.
11	LDL-MTR2	O	Motor drive terminal-2 for the horizontal movement, left neck pretense movement adjustment.
12	LDR-MTR1	O	Motor drive terminal-1 for the horizontal movement, right neck pretense movement adjustment.
12	LDR-MTR1	O	Motor drive terminal-1 for the horizontal movement, right neck pretense movement adjustment.
13	LDR-MTR2	O	Motor drive terminal-2 for the horizontal movement, right neck pretense movement adjustment.
13	LDR-MTR2	O	Motor drive terminal-2 for the horizontal movement, right neck pretense movement adjustment.
14	TLT-MTR1	O	Motor drive terminal-1 for the TILT angle adjustment.
15	TLT-MTR2	O	Motor drive terminal-2 for the TILT angle adjustment.
16	BL-OFF	O	Backlight OFF control terminal.
17	VSS	—	GND connect terminal.
18	CLOSE-CONT	O	LED control terminal in CLOSE.
19	ACT LED	O	LED control terminal in OPEN/CLOSE.
20	PAN-LED L	O	LED control terminal in OPEN/CLOSE,TILT and left neck pretense.
21	PAN-LED R	O	LED control terminal in OPEN/CLOSE,TILT and right neck pretense.
22	KEYI1	I	KEY Matrix IN terminal-1.
23	NC	—	No connect terminal.
24	KEYI2	I	KEY Matrix IN terminal-2.
25	KEYI3	I	KEY Matrix IN terminal-3.
26	KEYO1	O	KEY Matrix OUT terminal-1.
27	KEYO2	O	KEY Matrix OUT terminal-2.
28	KEYO3	O	KEY Matrix OUT terminal-3.
29	KEYO4	O	KEY Matrix OUT terminal-4.
30	NC	—	Pull-Down connect terminal.
31	BATT	I	BATT detection terminal.
32	FSTANBY	I	Stand-by control terminal from Main μ-COM.
33	MCONT	O	Motor power supply control terminal.
34	NC	—	No connect terminal.

No.	Symbol	I/O	Terminal Description
35	RESET	I	RESET terminal.
36	VPP	—	Power supply terminal for program writing.
37	X2(4.19MHz)	—	System Clock terminal. (4.19MHz)
38	X1(4.19MHz)	I	System Clock input terminal. (4.19MHz)
39	VDD	—	Power supply terminal.
40	AVDD	—	Analog power supply terminal for A/D converter.
41	AVREF	—	A/D converter standard voltage input terminal.
42	AVSS	—	GND electric potential terminal for A/D converter.
43	TLTLPS	I	TILT angle detection terminal.
44	PANLPS	I	Neck pretense angle detection terminal.

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Electrical Parts List

Capacitor : μF=microfarads,pF=picofarads

Abbreviations

RES. = Resistor
C.F. = Carbon Film
M.F. = Metal Film
M.O. = Metal OxideFilm
M.P. = Metal Plate
TR. = Transistor
TRANS. = Transformer
CP. = Chip

CAP. = Capacitor
ELY. = Electrolytic
CER. = Ceramic
MYL. = Mylar
TAN. = Tantalum
POLY. = Polystyrol
PP. = Polypropylene
PLT. = Polyethylene
PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W. Board		
IC's		
IC102	51T15099Y01	CXA1846AN
IC103	51T25576W07	NJM4580V-TE1
IC104	51T25576W07	NJM4580V-TE1
IC105	51T15455Y01	TC74HC4052AFTEL
IC107	51T25576W07	NJM4580V-TE1
IC108	51T15605Y01	NJM2130F-TE1
IC110	51T75121W02	NJM2070M-TE1
IC201	51T75197W08	AN77L08M-E1
IC202	51T25579Y01	TA76431F(TE12L)
IC203	51T15198Y10	LM2596SX-ADJ
IC204	51T25045Y03	AN7705SP-E1
IC205	51T25083Y01	TC74VHC32FT(EL)
IC206	51T25449Y01	AN8018SA-E1
IC207	51T95193W01	TDA3606AT
IC208	51T25404Y02	TC7W53FU(TE12L)
IC301	51T75523W01	TL5001CPS
IC601	51E31416S01	UPD6325G-T1
IC602	51E31398S01	HD64F3062RFJ20
IC603	51T35374Y01	TC7S04FU(TE85L)
IC604	51T15605Y01	NJM2130F-TE1
IC605	51T85196W02	TC7W126FUTE12L
IC606	51T85196W03	TC7W125FUTE12L
IC607	51E31401S01	S-80945ALMPDA9B
IC670	51E31397S01	D78P083GB3BSMTX
IC671	51T95529W01	M24C08-WMN6T
IC702	51T35374Y01	TC7S04FU(TE85L)
IC703	51T95022W02	IR3Y29BM
IC704	51T15567Y01	NJM2535V-TE1
IC705	51T25151Y01	TC74VHC221AFTEL
IC706	51T25404Y02	TC7W53FU(TE12L)
IC707	51T75197W08	AN77L08M-E1
IC708	51T35374Y01	TC7S04FU(TE85L)
IC709	51T25404Y02	TC7W53FU(TE12L)
IC850	51T15456Y01	TC74HC4066AFTEL
IC851	51T15457Y01	TC74HC4538AFTEL
IC852	51E31400S01	0SD3(CD0028AM)
IC853	51T25407Y02	BA7606FS-E2
IC854	51T15549Y01	NJM2286V-TE1
IC855	51T25518Y01	TK15401MTL
IC901	51E31396S01	BA6285AFP-YE2
IC902	51E31396S01	BA6285AFP-YE2
IC903	51E31396S01	BA6285AFP-YE2
Transistors/FET		
Q101	48T25317Y01	XN0F25600L
Q109	48T25137Y02	UN9212J-(TX)
Q110	48T25137Y02	UN9212J-(TX)
Q111	48T25736Y01	UMC2NTR
Q112	48T62967F33	DTC343TKT146
Q203	48T25576Y04	2SD1746-PQ(Y)TX
Q205	48T25576Y04	2SD1746-PQ(Y)TX
Q206	48T25736Y02	UMC3NTR
Q207	48T25736Y01	UMC2NTR
Q208	48T25736Y01	UMC2NTR
Q209	48T35586W01	2SC3518-Z-E1
Q210	48T25736Y02	UMC3NTR
Q214	48T25137Y02	UN9212J-(TX)
Q217	48T95329W01	2SC4540(TE12L)
Q218	48T95196W01	2SA1735(TE12L)
Q219	48T25736Y02	UMC3NTR
Q220	48T25736Y01	UMC2NTR
Q221	48T15656Y01	2SC4617TLR
Q222	48T25136Y16	UN911LJ-(TX)
Q301	48T80612F01	2SB1188T100Q
Q302	48T75133W01	2SJ327-Z-E1
Q303	48T25137Y13	UN921FJ-(TX)
Q304	48T45230W03	FMY1AT148
Q601	48T25137Y01	UN9211J-(TX)
Q602	48T25137Y01	UN9211J-(TX)
Q603	48T15657Y01	2SA1774TLR
Q604	48T25137Y02	UN9212J-(TX)
Q605	48T25736Y01	UMC2NTR
Q606	48T25736Y01	UMC2NTR
Q702	48T15656Y01	2SC4617TLR
Q704	48T15656Y01	2SC4617TLR
Q706	48T15656Y01	2SC4617TLR
Q707	48T15656Y01	2SC4617TLR
Q708	48T15656Y01	2SC4617TLR
Q709	48T15656Y01	2SC4617TLR

Symbol No.	Part No.	Description
Q715	48T15657Y01	2SA1774TLR
Q719	48T15657Y01	2SA1774TLR
Q723	48T15656Y01	2SC4617TLR
Q724	48T25137Y02	UN9212J-(TX)
Q726	48T25137Y02	UN9212J-(TX)
Q727	48T15657Y01	2SA1774TLR
Q728	48E31641S01	UN9213J-(TX)
Q730	48T25137Y02	UN9212J-(TX)
Q731	48T25137Y02	UN9212J-(TX)
Q901	48T35586W01	2SC3518-Z-E1
Q902	48T35586W01	2SC3518-Z-E1
Q903	48T15656Y01	2SC4617TLR
Q904	48T35586W01	2SC3518-Z-E1
Q905	48T35586W01	2SC3518-Z-E1
Q906	48T25736Y02	UMC3NTR
Q907	48T15656Y01	2SC4617TLR
Diodes		
D101	48T15706Y01	MA132WA-(TX)
D104	48T25564Y01	MA113-(TX)
D201	48T25564Y01	MA113-(TX)
D203	48T25564Y01	MA113-(TX)
D204	48T15368Y01	EC31QS04-TE21L
D206	48T15702W01	SB05-05CP-TB
D207	48T15702W01	SB05-05CP-TB
D208	48T15706Y02	MA132WK-(TX)
D221	48T25564Y01	MA113-(TX)
D670	48T25274Y01	MA4S159-(TX)
D671	48T25274Y01	MA4S159-(TX)
D901	48T25274Y01	MA4S159-(TX)
D902	48T25274Y01	MA4S159-(TX)
D903	48T25274Y01	MA4S159-(TX)
SD301	48T75066W01	F2J4STP
ZD101	48T15541Y53	MAZS0560HL
ZD202	48T84735F18	MA3075-H(TX)
ZD203	48E31395S01	MA3082M-(TX)
ZD204	48T15541Y53	MAZS0560HL
ZD205	48T15541Y53	MAZS0560HL
ZD207	48T15541Y53	MAZS0560HL
ZD208	48T25064Y02	ZSH5MA27(A)
ZD601	48T15541Y53	MAZS0560HL
ZD602	48T15541Y53	MAZS0560HL
ZD603	48T15541Y53	MAZS0560HL
ZD604	48T15541Y53	MAZS0560HL
ZD605	48T15541Y53	MAZS0560HL
ZD606	48T15541Y53	MAZS0560HL
ZD607	48T15541Y53	MAZS0560HL
ZD901	48T15541Y66	MAZS0910LL
ZD902	48T84735F26	MA3100-M(TX)
ZD903	48T15541Y60	MAZS0750LL
Coils		
L201	24T25578Y10	892NBS-470M=P3
L202	24T95202W21	CDRH64B-471MC
L203	24T95202W25	CDRH64B-102MC
L301	24T25565Y10	SLF12565T-101M
L302	24T25578Y13	892NCF-101M=P3
L701	24T25164Y13	FSLM2520-1R0JP2
L850	24T25164Y25	FSLM2520-100JP2
L851	24T25164Y25	FSLM2520-100JP2
L852	24T25164Y25	FSLM2520-100JP2
VT701	24E31648S01	836BN-0328BS=P3
VT702	91E31644S01	NLT4532T-S4R4
Crystals		
XL601	91T45433W73	CP12A(12MHz)
XL670	91T45433W17	CP12A(4.19MHz)
XL701	91T35643Y01	DSX151GA3.58M
XL702	91E31649S01	DSX151GA4.43M
Fuses		
F201	65T35516Y01	TF16N0.25TE
F202	65T35516Y01	TF16N0.25TE
F203	65T35516Y08	TF16N1.60TE
F601	65E31412S01	TF16N0.63TE
Filters		
L601	91T15509Y08	BK1608HM102-T
L602	91T15509Y08	BK1608HM102-T
Surge Absorber		
SA101	48T25171Y02	SA-C2012-101-01
Capacitors		
C102	08S45676W80	GRM39B223K25

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Symbol No.	Part No.	Description
C103	08S45676W80	GRM39B223K25
C104	08S45677W21	GRM39CH240J50
C112	08S45677W25	GRM39CH360J50
C120	08S45677W25	GRM39CH360J50
C125	08S45677W25	GRM39CH360J50
C126	08S45676W80	GRM39B223K25
C127	08S45677W25	GRM39CH360J50
C135	08S45677W25	GRM39CH360J50
C138	08S45677W25	GRM39CH360J50
C143	08S45677W25	GRM39CH360J50
C144	08S45677W25	GRM39CH360J50
C149	08S45676W67	GRM39B332K50
C150	08S45676W80	GRM39B223K25
C151	08S60102F40	GRM40B224K25
C152	08S45677W60	ECUV1H102JCV
C153	08S45676W85	GRM39B104K16
C201	08T95466W07	GHM1530B103K630
C202	08S45676W67	GRM39B332K50
C203	08S60102F42	GRM40B334K25
C204	08T35688Y01	GRM422X5R106K16
C205	08S45676W80	GRM39B223K25
C206	08T95466W07	GHM1530B103K630
C207	08S45676W80	GRM39B223K25
C208	08S45676W80	GRM39B223K25
C209	08S45676W84	GRM39B683K16
C210	08S45676W93	GRM39B224K10
C211	08S45677W60	ECUV1H102JCV
C212	08S45676W73	GRM39B103K50
C213	08S45676W80	GRM39B223K25
C214	08S60102F42	GRM40B334K25
C215	08S45676W80	GRM39B223K25
C216	08S60102F48	GRM42-6B105K25
C217	08S45676W80	GRM39B223K25
C218	08S45676W80	GRM39B223K25
C219	08S60102F48	GRM42-6B105K25
C220	08T15399W01	GRM40B223K50
C221	08S45677W50	GRM39CH391J50
C222	08T35688Y01	GRM422X5R106K16
C223	08S45677W60	ECUV1H102JCV
C224	08S45676W73	GRM39B103K50
C225	08T25191Y06	GRM42631B335K10
C226	08S45676W93	GRM39B224K10
C227	08S45676W93	GRM39B224K10
C228	08S45677W60	ECUV1H102JCV
C229	08T15399W01	GRM40B223K50
C231	08S45676W93	GRM39B224K10
C232	08S45676W93	GRM39B224K10
C233	08T35688Y01	GRM422X5R106K16
C301	08S45676W85	GRM39B104K16

Symbol No.	Part No.	Description
C302	08S45676W89	GRM39B473K25
C303	08S45676W80	GRM39B223K25
C304	08S45677W60	ECUV1H102JCV
C305	08S45676W80	GRM39B223K25
C307	08S45676W85	GRM39B104K16
C308	08T35688Y01	GRM422X5R106K16
C601	08S45676W80	GRM39B223K25
C602	08S45676W80	GRM39B223K25
C604	08S45677W17	GRM39CH160J50
C605	08S45677W18	GRM39CH180J50
C607	08S45676W80	GRM39B223K25
C608	08S45676W80	GRM39B223K25
C609	08S45676W80	GRM39B223K25
C610	08T35688Y01	GRM422X5R106K16
C611	08S45676W80	GRM39B223K25
C612	08S45676W80	GRM39B223K25
C613	08S45676W85	GRM39B104K16
C614	08S45676W69	GRM39B472K50
C670	08S45676W65	GRM39B222K50
C671	08S45676W65	GRM39B222K50
C672	08S45676W65	GRM39B222K50
C673	08S45677W16	GRM39CH150J50
C674	08S45677W16	GRM39CH150J50
C675	08S45676W80	GRM39B223K25
C676	08S45676W80	GRM39B223K25
C677	08T35688Y01	GRM422X5R106K16
C678	08S45676W80	GRM39B223K25
C679	08S45677W60	ECUV1H102JCV
C680	08S45677W60	ECUV1H102JCV
C701	08S45676W80	GRM39B223K25
C702	08S60102F42	GRM40B334K25
C703	08S60102F48	GRM42-6B105K25
C704	08S45677W02	GRM39CK010C50
C709	08S60102F48	GRM42-6B105K25
C710	08S60102F48	GRM42-6B105K25
C711	08S45676W73	GRM39B103K50
C715	08S60102F48	GRM42-6B105K25
C716	08S45676W73	GRM39B103K50
C717	08S45676W73	GRM39B103K50
C720	08S45676W73	GRM39B103K50
C721	08S45676W85	GRM39B104K16
C722	08S45676W73	GRM39B103K50
C728	08S45676W73	GRM39B103K50
C729	08S45676W73	GRM39B103K50
C730	08S45676W73	GRM39B103K50
C731	08S45676W89	GRM39B473K25
C733	08S45676W73	GRM39B103K50
C735	08S45676W73	GRM39B103K50
C738	08S45676W73	GRM39B103K50

Symbol No.	Part No.	Description
C739	08S45676W73	GRM39B103K50
C740	08S45676W85	GRM39B104K16
C741	08S45677W52	GRM39CH471J50
C742	08S45676W80	GRM39B223K25
C743	08S45676W73	GRM39B103K50
C744	08S45676W80	GRM39B223K25
C745	08S45677W58	ECUV1H821JCV
C746	08S60102F48	GRM42-6B105K25
C747	08S45676W73	GRM39B103K50
C748	08S45676W85	GRM39B104K16
C749	08S45676W85	GRM39B104K16
C750	08S45676W85	GRM39B104K16
C751	08S45676W73	GRM39B103K50
C752	08S45677W52	GRM39CH471J50
C753	08S45676W71	GRM39B682K50
C754	08S45676W73	GRM39B103K50
C757	08S60102F48	GRM42-6B105K25
C758	08S45676W80	GRM39B223K25
C759	08S45676W80	GRM39B223K25
C760	08S45676W80	GRM39B223K25
C761	08T35688Y01	GRM422X5R106K16
C762	08S45677W02	GRM39CK010C50
C763	08S45676W73	GRM39B103K50
C764	08S45676W73	GRM39B103K50
C765	08E30286S01	GRM39CH820J50
C766	08S45676W73	GRM39B103K50
C767	08E31645S01	GRM39CH560J50
C768	08E31640S01	ECUV1H681JCV
C850	08S45676W80	GRM39B223K25
C851	08S45676W85	GRM39B104K16
C852	08S45677W60	ECUV1H102JCV
C853	08S45676W80	GRM39B223K25
C854	08S45676W85	GRM39B104K16
C855	08S45676W85	GRM39B104K16
C856	08S45677W60	ECUV1H102JCV
C857	08S45677W29	GRM39CH510J50
C858	08S60102F44	GRM40B474K25
C859	08S60102F48	GRM42-6B105K25
C860	08S60102F48	GRM42-6B105K25
C861	08S60102F48	GRM42-6B105K25
C862	08S45677W12	GRM39CH100D50
C863	08S45677W12	GRM39CH100D50
C864	08S45677W12	GRM39CH100D50
C865	08S45676W80	GRM39B223K25
C866	08S45676W80	GRM39B223K25
C867	08S45676W80	GRM39B223K25
C868	08S60102F48	GRM42-6B105K25
C869	08S60102F48	GRM42-6B105K25
C870	08S45676W85	GRM39B104K16

Symbol No.	Part No.	Description
C871	08S60102F48	GRM42-6B105K25
C872	08T35688Y01	GRM422X5R106K16
C873	08T35688Y01	GRM422X5R106K16
C874	08T35688Y01	GRM422X5R106K16
C875	08T81833F08	GRM42-6B475K10
C876	08T81833F08	GRM42-6B475K10
C877	08T81833F08	GRM42-6B475K10
C878	08T81833F08	GRM42-6B475K10
C879	08T81833F08	GRM42-6B475K10
C880	08T81833F08	GRM42-6B475K10
C901	08S45676W80	GRM39B223K25
C902	08S60102F48	GRM42-6B105K25
C903	08S45676W80	GRM39B223K25
C904	08S45676W80	GRM39B223K25
C905	08S45676W80	GRM39B223K25
C906	08S45676W80	GRM39B223K25
C907	08S45676W80	GRM39B223K25
C908	08S45676W80	GRM39B223K25
C910	08S45676W80	GRM39B223K25
C911	08S45676W80	GRM39B223K25
C912	08S45676W80	GRM39B223K25
E101	23S65134W31	UWX1C100MCR1GB
E102	23S65134W31	UWX1C100MCR1GB
E103	23S65134W31	UWX1C100MCR1GB
E104	23S85262W16	UWP1H010MCR1GB
E105	23S85262W16	UWP1H010MCR1GB
E106	23S65134W31	UWX1C100MCR1GB
E107	23S85262W16	UWP1H010MCR1GB
E108	23S85262W16	UWP1H010MCR1GB
E111	23S65134W51	UWX1V2R2MCR2GB
E113	23S65134W51	UWX1V2R2MCR2GB
E114	23S85262W16	UWP1H010MCR1GB
E117	23S65134W32	UWX1C220MCR1GB
E118	23S65134W32	UWX1C220MCR1GB
E119	23S65134W32	UWX1C220MCR1GB
E120	23S65134W51	UWX1V2R2MCR2GB
E121	23S65134W51	UWX1V2R2MCR2GB
E122	23S85262W16	UWP1H010MCR1GB
E125	23S65134W51	UWX1V2R2MCR2GB
E126	23S65134W51	UWX1V2R2MCR2GB
E127	23S65134W32	UWX1C220MCR1GB
E128	23S65134W51	UWX1V2R2MCR2GB
E129	23S65134W51	UWX1V2R2MCR2GB
E131	23S65134W32	UWX1C220MCR1GB
E132	23S65134W32	UWX1C220MCR1GB
E133	23S85262W16	UWP1H010MCR1GB
E134	23S85262W16	UWP1H010MCR1GB
E135	23T95564W12	EEVFC1C101P
E136	23S65134W47	UWX1E101MCR1GB

Symbol No.	Part No.	Description
E137	23S65134W36	UUR1C221MNR1GS
E201	23S65134W31	UWX1C100MCR1GB
E202	23T95564W41	EEVFC1C471P
E203	23T15765Y60	F951C107MGC
E204	23T15765Y93	F951E336MGC
E205	23T95564W12	EEVFC1C101P
E206	23S65134W61	UWX1H0R1MCR1GB
E207	23T95564W41	EEVFC1C471P
E209	23E31424S01	F951C476MGC
E210	23T95564W38	EEVFC1E221P
E212	23T95564W12	EEVFC1C101P
E213	23T95564W38	EEVFC1E221P
E214	23S65134W32	UWX1C220MCR1GB
E215	23T95564W12	EEVFC1C101P
E216	23T95564W09	EEVFC1C220R
E301	23T95564W38	EEVFC1E221P
E302	23T95564W38	EEVFC1E221P
E303	23T95564W41	EEVFC1C471P
E304	23T95564W41	EEVFC1C471P
E601	23S65134W31	UWX1C100MCR1GB
E605	23S65134W24	UWX1A221MCR1GB
E606	23S65134W32	UWX1C220MCR1GB
E670	23S65134W23	UWX1A101MCR1GB
E701	23S65134W32	UWX1C220MCR1GB
E706	23T95564W12	EEVFC1C101P
E707	23S65134W31	UWX1C100MCR1GB
E708	23S65134W31	UWX1C100MCR1GB
E709	23S65134W31	UWX1C100MCR1GB
E711	23T95564W12	EEVFC1C101P
E712	23S65134W64	UWX1HR47MCR1GB
E716	23S65134W31	UWX1C100MCR1GB
E717	23S65134W11	UWX0J220MCR1GB
E718	23T95564W12	EEVFC1C101P
E719	23S65134W52	UWX1V3R3MCR2GB
E720	23S65134W31	UWX1C100MCR1GB
E721	23S65134W31	UWX1C100MCR1GB
E723	23S65134W31	UWX1C100MCR1GB
E850	23S65134W31	UWX1C100MCR1GB
E851	23S65134W11	UWX0J220MCR1GB
E852	23S65134W24	UWX1A221MCR1GB
E853	23S65134W11	UWX0J220MCR1GB
E855	23S65134W24	UWX1A221MCR1GB
E856	23S65134W12	UWX0J470MCR1GB
E857	23S65134W24	UWX1A221MCR1GB
E858	23S65134W31	UWX1C100MCR1GB
E859	23S65134W31	UWX1C100MCR1GB
E860	23S65134W31	UWX1C100MCR1GB
E901	23T95564W41	EEVFC1C471P
E902	23T95564W41	EEVFC1C471P

Symbol No.	Part No.	Description
Resistors		
R100	06E31410S01	MCR18EZHJ200
R101	06S45674W33	MCR03EZHJ101
R102	06S45674W57	MCR03EZHJ102
R104	06S45674W93	MCR03EZHJ333
R105	06S45674W93	MCR03EZHJ333
R109	06S45674W41	MCR03EZHJ221
R110	06S45674W33	MCR03EZHJ101
R111	06S45674W89	MCR03EZHJ223
R112	06S45675W06	MCR03EZHJ104
R113	06S45674W41	MCR03EZHJ221
R114	06S45675W43	MCR03EZHJ000
R115	06S45675W06	MCR03EZHJ104
R116	06S45674W41	MCR03EZHJ221
R117	06S45674W33	MCR03EZHJ101
R124	06S15593Y81	MCR03EZHF2202
R125	06S45674W57	MCR03EZHJ102
R126	06S45674W89	MCR03EZHJ223
R130	06S15593Y81	MCR03EZHF2202
R131	06S45674W81	MCR03EZHJ103
R132	06S15594Y07	MCR03EZHF2403
R137	06S15593Y81	MCR03EZHF2202
R138	06S15593Y81	MCR03EZHF2202
R139	06S45674W97	MCR03EZHJ473
R146	06S15593Y81	MCR03EZHF2202
R148	06S15593Y81	MCR03EZHF2202
R149	06S15593Y81	MCR03EZHF2202
R150	06S45674W81	MCR03EZHJ103
R151	06S45674W97	MCR03EZHJ473
R152	06S15594Y07	MCR03EZHF2403
R156	06S15593Y81	MCR03EZHF2202
R157	06S45674W57	MCR03EZHJ102
R165	06S15593Y81	MCR03EZHF2202
R168	06S15593Y81	MCR03EZHF2202
R169	06S15593Y81	MCR03EZHF2202
R170	06S45674W81	MCR03EZHJ103
R172	06S15593Y81	MCR03EZHF2202
R174	06S15593Y81	MCR03EZHF2202
R175	06S15593Y81	MCR03EZHF2202
R177	06S15593Y81	MCR03EZHF2202
R178	06S45674W81	MCR03EZHJ103
R179	06S15593Y81	MCR03EZHF2202
R180	06S70072F19	MCR18EZHJ390
R181	06S45674W77	MCR03EZHJ682
R182	06S45674W77	MCR03EZHJ682
R183	06S45674W57	MCR03EZHJ102
R184	06S45674W89	MCR03EZHJ223
R187	06S45674W81	MCR03EZHJ103

Symbol No.	Part No.	Description
R188	06S45675W43	MCR03EZHJ000
R189	06S45674W41	MCR03EZHJ221
R190	06S45674W85	MCR03EZHJ153
R191	06E31647S01	RK73H2ESTD8R20F
R192	06S45674W67	MCR03EZHJ272
R193	06S45674W97	MCR03EZHJ473
R194	06S70072F53	MCR18EZHJ102
R195	06S70072F18	MCR18EZHJ360
R196	06S45675W43	MCR03EZHJ000
R198	06S45674W89	MCR03EZHJ223
R199	06E31410S01	MCR18EZHJ200
R203	06S45675W43	MCR03EZHJ000
R204	06E30362S01	MCR18EZHJ000
R205	06S35083Y07	MCR18EZHF18R0
R206	06S35083Y07	MCR18EZHF18R0
R207	06T25178Y15	MCR18EZHJ150
R208	06T25178Y15	MCR18EZHJ150
R209	06S35083Y07	MCR18EZHF18R0
R210	06S35083Y07	MCR18EZHF18R0
R211	06S45674W57	MCR03EZHJ102
R213	06S15593Y29	MCR03EZHF68R0
R214	06S70072F18	MCR18EZHJ360
R215	06S45674W71	MCR03EZHJ392
R216	06S45674W71	MCR03EZHJ392
R217	06S15593Y70	MCR03EZHF7501
R220	06S45675W43	MCR03EZHJ000
R221	06S45674W97	MCR03EZHJ473
R222	06S35083Y02	MCR18EZHF12R0
R223	06S70072F69	MCR18EZHJ472
R224	06S70072F69	MCR18EZHJ472
R225	06S45674W97	MCR03EZHJ473
R226	06S35083Y02	MCR18EZHF12R0
R227	06S45675W43	MCR03EZHJ000
R228	06S35083Y21	MCR18EZHF4700
R230	06S45674W97	MCR03EZHJ473
R231	06S45674W33	MCR03EZHJ101
R232	06E31407S01	MCR03EZHF6202
R233	06E31406S01	MCR03EZHF4703
R236	06S15593Y68	MCR03EZHF6201
R237	06S15593Y49	MCR03EZHF1001
R240	06S15593Y56	MCR03EZHF2001
R241	06S15594Y06	MCR03EZHF2203
R242	06S15593Y82	MCR03EZHF2402
R243	06S15593Y49	MCR03EZHF1001
R244	06S15593Y70	MCR03EZHF7501
R245	06S15593Y79	MCR03EZHF1802
R246	06S15593Y75	MCR03EZHF1202
R247	06S35083Y25	MCR18EZHF1001
R248	06S35083Y25	MCR18EZHF1001

Symbol No.	Part No.	Description
R249	06S45674W33	MCR03EZHJ101
R250	06S45674W33	MCR03EZHJ101
R251	06S45674W33	MCR03EZHJ101
R252	06E31405S01	MCR03EZHF4303
R253	06S45675W43	MCR03EZHJ000
R255	06S15593Y68	MCR03EZHF6201
R257	06S45674W33	MCR03EZHJ101
R258	06S15593Y66	MCR03EZHF5101
R259	06E31404S01	MCR03EZHF2703
R260	06S15593Y79	MCR03EZHF1802
R261	06E31419S01	MCR03EZHF9100
R262	06S15593Y49	MCR03EZHF1001
R263	06S15593Y49	MCR03EZHF1001
R264	06S15593Y77	MCR03EZHF1502
R265	06S45674W99	MCR03EZHJ563
R267	06E31417S01	MCR03EZHF3002
R268	06S15593Y51	MCR03EZHF1201
R269	06S15593Y76	MCR03EZHF1302
R270	06S45674W57	MCR03EZHJ102
R271	06T75433W99	MCR18EZHJ124
R273	06E31418S01	MCR03EZHF3303
R274	06S70072F77	MCR18EZHJ103
R277	06S70072F77	MCR18EZHJ103
R278	06S45674W97	MCR03EZHJ473
R281	06S70072F11	MCR18EZHJ180
R282	06S70072F11	MCR18EZHJ180
R283	06S70072F11	MCR18EZHJ180
R284	06S70072F11	MCR18EZHJ180
R300	06S35083Y27	MCR18EZHF1501
R301	06S15593Y82	MCR03EZHF2402
R302	06S15593Y57	MCR03EZHF2201
R303	06S15594Y06	MCR03EZHF2203
R304	06S35083Y21	MCR18EZHF4700
R305	06T25178Y84	MCR18EZHF1601
R306	06T25178Y84	MCR18EZHF1601
R307	06S35083Y21	MCR18EZHF4700
R308	06S15593Y85	MCR03EZHF3302
R309	06S35083Y01	MCR18EZHF10R0
R310	06S35083Y13	MCR18EZHF1000
R311	06S15593Y63	MCR03EZHF3901
R312	06S15593Y42	MCR03EZHF5100
R313	06S45675W43	MCR03EZHJ000
R315	06E31403S01	MCR03EZHF2702
R317	06E31408S01	MCR03EZHF6802
R601	06S45674W57	MCR03EZHJ102
R602	06S70072F53	MCR18EZHJ102
R603	06S70072F53	MCR18EZHJ102
R604	06S70072F53	MCR18EZHJ102
R605	06S70072F53	MCR18EZHJ102

Symbol No.	Part No.	Description
R606	06S70072F53	MCR18EZHJ102
R607	06S45674W57	MCR03EZHJ102
R608	06S70072F53	MCR18EZHJ102
R609	06S45674W57	MCR03EZHJ102
R610	06S45674W57	MCR03EZHJ102
R611	06S70072F53	MCR18EZHJ102
R612	06S45674W57	MCR03EZHJ102
R614	06S45674W93	MCR03EZHJ333
R615	06S70072F19	MCR18EZHJ390
R616	06S45674W81	MCR03EZHJ103
R617	06S45674W57	MCR03EZHJ102
R618	06S45675W43	MCR03EZHJ000
R619	06S45674W57	MCR03EZHJ102
R620	06S45674W57	MCR03EZHJ102
R621	06S45674W33	MCR03EZHJ101
R622	06S45674W33	MCR03EZHJ101
R623	06S45674W57	MCR03EZHJ102
R624	06S45674W33	MCR03EZHJ101
R626	06S45674W57	MCR03EZHJ102
R627	06S45674W57	MCR03EZHJ102
R628	06S45674W57	MCR03EZHJ102
R629	06S45674W57	MCR03EZHJ102
R630	06S70072F53	MCR18EZHJ102
R631	06S45674W57	MCR03EZHJ102
R632	06S45674W57	MCR03EZHJ102
R633	06S45674W81	MCR03EZHJ103
R634	06S15593Y72	MCR03EZHF9101
R635	06S15593Y76	MCR03EZHF1302
R636	06E30309S01	MCR03EZHF3302
R637	06S15593Y86	MCR03EZHF3602
R638	06S15593Y77	MCR03EZHF1502
R640	06S45674W57	MCR03EZHJ102
R641	06S45674W57	MCR03EZHJ102
R642	06S45674W57	MCR03EZHJ102
R643	06S45674W57	MCR03EZHJ102
R644	06E31421S01	MCR18EZHJ510
R645	06E31421S01	MCR18EZHJ510
R646	06E31421S01	MCR18EZHJ510
R647	06S45674W81	MCR03EZHJ103
R648	06S45674W81	MCR03EZHJ103
R649	06S45674W81	MCR03EZHJ103
R652	06S45674W81	MCR03EZHJ103
R653	06S45674W81	MCR03EZHJ103
R654	06S45675W06	MCR03EZHJ104
R655	06S45675W06	MCR03EZHJ104
R657	06S45675W06	MCR03EZHJ104
R658	06S45674W97	MCR03EZHJ473
R659	06S45674W97	MCR03EZHJ473
R660	06S45674W97	MCR03EZHJ473
R661	06E31421S01	MCR18EZHJ510
R662	06E31421S01	MCR18EZHJ510
R663	06E31421S01	MCR18EZHJ510
R664	06S70072F18	MCR18EZHJ360
R665	06S45674W33	MCR03EZHJ101
R666	06S45674W97	MCR03EZHJ473
R667	06S45674W57	MCR03EZHJ102
R668	06S45674W97	MCR03EZHJ473
R670	06S45674W97	MCR03EZHJ473
R671	06S45674W97	MCR03EZHJ473
R672	06S45674W97	MCR03EZHJ473
R673	06S45674W57	MCR03EZHJ102
R674	06S45674W57	MCR03EZHJ102
R675	06S15593Y69	MCR03EZHF6801
R676	06S45674W33	MCR03EZHJ101
R677	06S45674W33	MCR03EZHJ101
R678	06S45674W81	MCR03EZHJ103
R679	06S45674W81	MCR03EZHJ103
R680	06S45674W57	MCR03EZHJ102
R681	06S45674W57	MCR03EZHJ102
R682	06S45674W41	MCR03EZHJ221
R683	06S45674W57	MCR03EZHJ102
R684	06S45674W57	MCR03EZHJ102
R685	06S45675W22	MCR03EZHJ474
R704	06S45674W81	MCR03EZHJ103
R705	06S45674W53	MCR03EZHJ681
R706	06S45674W33	MCR03EZHJ101
R707	06S45674W81	MCR03EZHJ103
R708	06S45674W53	MCR03EZHJ681
R709	06S45674W33	MCR03EZHJ101
R710	06S45674W81	MCR03EZHJ103
R711	06S45674W53	MCR03EZHJ681
R712	06S45674W33	MCR03EZHJ101
R713	06S70072F05	MCR18EZHJ100
R714	06S45674W81	MCR03EZHJ103
R715	06S45674W65	MCR03EZHJ222
R717	06S45674W57	MCR03EZHJ102
R718	06S45674W81	MCR03EZHJ103
R719	06S45674W65	MCR03EZHJ222
R721	06S45674W57	MCR03EZHJ102
R722	06S45674W81	MCR03EZHJ103
R723	06S45674W65	MCR03EZHJ222
R725	06S45674W57	MCR03EZHJ102
R727	06S45674W97	MCR03EZHJ473
R732	06S45674W57	MCR03EZHJ102
R733	06S45674W57	MCR03EZHJ102
R734	06S45674W57	MCR03EZHJ102
R735	06S45674W65	MCR03EZHJ222
R738	06S45674W79	MCR03EZHJ822

Symbol No.	Part No.	Description
R739	06S45674W75	MCR03EZHJ562
R749	06S45674W91	MCR03EZHJ273
R750	06S45674W85	MCR03EZHJ153
R751	06S45674W81	MCR03EZHJ103
R752	06S45674W89	MCR03EZHJ223
R753	06S45674W98	MCR03EZHJ513
R754	06S45675W30	MCR03EZHJ105
R755	06S45674W93	MCR03EZHJ333
R759	06S45675W02	MCR03EZHJ683
R760	06S45674W93	MCR03EZHJ333
R761	06S45674W97	MCR03EZHJ473
R762	06S45674W93	MCR03EZHJ333
R763	06S45674W33	MCR03EZHJ101
R764	06S45674W97	MCR03EZHJ473
R765	06S45674W93	MCR03EZHJ333
R766	06S45674W91	MCR03EZHJ273
R769	06S45674W85	MCR03EZHJ153
R775	06S45674W88	MCR03EZHJ203
R776	06S45674W97	MCR03EZHJ473
R777	06S45674W93	MCR03EZHJ333
R778	06S45674W87	MCR03EZHJ183
R779	06S45674W81	MCR03EZHJ103
R780	06S45675W22	MCR03EZHJ474
R781	06S45674W57	MCR03EZHJ102
R782	06S45675W03	MCR03EZHJ753
R783	06E31409S01	MCR03EZHJ363
R784	06S45674W57	MCR03EZHJ102
R785	06S45675W43	MCR03EZHJ000
R787	06S15593Y43	MCR03EZHJ561
R788	06S15593Y79	MCR03EZHF1802
R789	06S45675W26	MCR03EZHJ684
R790	06S45675W18	MCR03EZHJ334
R791	06S45674W93	MCR03EZHJ333
R792	06S15304Y51	MCR03EZHJ122
R795	06S45674W33	MCR03EZHJ101
R796	06S45674W83	MCR03EZHJ123
R797	06S45674W73	MCR03EZHJ472
R798	06S45674W33	MCR03EZHJ101
R799	06S45674W73	MCR03EZHJ472
R800	06S45674W33	MCR03EZHJ101
R803	06S45674W53	MCR03EZHJ681
R804	06S45674W45	MCR03EZHJ331
R805	06S45674W75	MCR03EZHJ562
R806	06E30327S01	MCR03EZHJ152
R807	06E31643S01	MCR03EZHJ395
R808	06S45675W26	MCR03EZHJ684
R809	06S45674W77	MCR03EZHJ682
R810	06E31642S01	RK73K2ASTD106J
R850	06S45674W69	MCR03EZHJ332

Symbol No.	Part No.	Description
R851	06S45674W97	MCR03EZHJ473
R852	06S45674W33	MCR03EZHJ101
R853	06S45674W29	MCR03EZHJ680
R854	06S15593Y50	MCR03EZHF1101
R855	06S45674W97	MCR03EZHJ473
R856	06S45675W30	MCR03EZHJ105
R857	06S45674W33	MCR03EZHJ101
R858	06S45674W74	MCR03EZHJ512
R859	06S45674W57	MCR03EZHJ102
R861	06S45674W29	MCR03EZHJ680
R862	06S45674W30	MCR03EZHJ750
R863	06S45674W30	MCR03EZHJ750
R864	06S45674W30	MCR03EZHJ750
R865	06S45674W33	MCR03EZHJ101
R866	06S45674W29	MCR03EZHJ680
R868	06S45674W45	MCR03EZHJ331
R869	06S45674W45	MCR03EZHJ331
R870	06S45674W45	MCR03EZHJ331
R871	06S45674W54	MCR03EZHJ751
R872	06S45674W54	MCR03EZHJ751
R873	06S45674W54	MCR03EZHJ751
R874	06S45674W97	MCR03EZHJ473
R875	06S45674W97	MCR03EZHJ473
R876	06S45674W97	MCR03EZHJ473
R901	06E31646S01	RK73H2ESTD2R20F
R902	06E31646S01	RK73H2ESTD2R20F
R903	06E31646S01	RK73H2ESTD2R20F
R904	06S70072F83	MCR18EZHJ3R6
R905	06S70072F83	MCR18EZHJ3R6
R906	06S70072F83	MCR18EZHJ3R6
R907	06E31646S01	RK73H2ESTD2R20F
R908	06S15593Y31	MCR03EZHF1800
R909	06S70072F83	MCR18EZHJ3R6
R910	06S70072F83	MCR18EZHJ3R6
R911	06S70072F83	MCR18EZHJ3R6
R912	06S35083Y21	MCR18EZHF4700
R913	06S15593Y40	MCR03EZHF4300
R914	06E31637S01	RK73H2ESTD6R20F
R915	06E31637S01	RK73H2ESTD6R20F
R916	06E31637S01	RK73H2ESTD6R20F
R917	06E31637S01	RK73H2ESTD6R20F
R918	06E31637S01	RK73H2ESTD6R20F
R919	06E31637S01	RK73H2ESTD6R20F
R921	06E31637S01	RK73H2ESTD6R20F
R922	06E31637S01	RK73H2ESTD6R20F
R923	06E31637S01	RK73H2ESTD6R20F
R924	06E31637S01	RK73H2ESTD6R20F
R925	06E31637S01	RK73H2ESTD6R20F
R926	06E31637S01	RK73H2ESTD6R20F

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Symbol No.	Part No.	Description
RA603	06E31638S01	EXBV8V102JV
RA604	06E31638S01	EXBV8V102JV
RA606	06E31638S01	EXBV8V102JV
RA607	06E31638S01	EXBV8V102JV
RA608	06E31638S01	EXBV8V102JV
RA609	06E31638S01	EXBV8V102JV
RA610	06E31638S01	EXBV8V102JV
RA611	06E31638S01	EXBV8V102JV
RA670	06E31638S01	EXBV8V102JV
RA671	06E31638S01	EXBV8V102JV
RA672	06E31638S01	EXBV8V102JV
RA673	06E31638S01	EXBV8V102JV
RA674	06E31638S01	EXBV8V102JV
RA675	06E31526S01	EXBV8V101JV
RA676	06E31638S01	EXBV8V102JV
RA677	06E31415S01	EXBV8V473JV
VR201	18E31413S01	RH03ADC14X
VR202	18T25572Y07	RH03ADC13X
VR203	18E31414S01	RH03ADCJ2X
VR703	18T25572Y16	RH03ADCN4X
VR704	18T25572Y16	RH03ADCN4X
VR705	18T25572Y16	RH03ADCN4X
Connectors		
CB101	09T75307W02	53261-0290
CB201	09T35116Y16	9850B-16Y900
CB202	09T13515W10	5569-10A1
CB203	09T25442Y40	SFVH40R-1STE1
CB204	09T25442Y40	SFVH40R-1STE1
CB601	09T85454W10	53398-1090
CB602	09T85454W11	53398-1190
CB603	09T75307W07	53261-0790
LCD P.W.Board		
IC's		
IC9700	51T15143Y02	IR3Y26A1
IC9750	51T25424Y02	NJM4565V-TE1
IC9770	51T25406Y02	TC7W34FK(TE85L)
IC9780	51T25330Y02	TC7WH123FKTE85L
IC9790	51T25473Y01	TC7S32FU(TE85L)
IC9800	51T25691Y01	LZ9GJ18
IC9840	51T25491Y01	NJM2107F-TE1

Symbol No.	Part No.	Description
Transistors		
Q8888	48T25137Y02	UN9212J-(TX)
Q8891	48T25137Y16	UN921LJ-(TX)
Q8892	48T25327Y03	UMY1NTR
Q8894	48T35586W01	2SC3518-Z-E1
Q8895	48T35586W01	2SC3518-Z-E1
Q9761	48T25327Y02	UMY4NTR
Q9762	48T25327Y01	UMY3NTR
Q9851	48T63461F01	2SC2411KT146Q
Diodes		
D9843	48T15540Y01	MA2S111-(TX)
D9856	48T25248Y01	MA3350-(TX)
D9861	48T25247Y01	MA716-(TX)
ZD9857	48T15541Y49	MAZS0510ML
Coils		
L8891	24T25578Y10	892NBS-470M=P3
L9831	24T25164Y18	FSLM2520-2R7JP2
L9835	24T25164Y18	FSLM2520-2R7JP2
L9851	24T25164Y18	FSLM2520-2R7JP2
L9861	24T25164Y27	FSLM2520-150JP2
Filters		
Z9711	91T95452W03	NFM39R02C101
Z9712	91T95452W03	NFM39R02C101
Z9713	91T95452W03	NFM39R02C101
Transformers		
T8898	25T25447Y02	825TG-1340
T8899	25T25447Y02	825TG-1340
Thermistor		
TH8891	48T25250Y06	ERTJ1VR223G
Capacitors		
C8891	08T35688Y01	GRM422X5R106K16
C8892	08S45676W85	GRM39B104K16

Symbol No.	Part No.	Description
C8895	08T55401W48	ECHU1H184GC9
C9700	08S45676W80	GRM39B223K25
C9701	08S45676W80	GRM39B223K25
C9705	08S45676W73	GRM39B103K50
C9709	08T35468Y01	GRM39B105K6.3
C9710	08T35468Y01	GRM39B105K6.3
C9711	08T35468Y01	GRM39B105K6.3
C9712	08S45676W73	GRM39B103K50
C9713	08S45676W73	GRM39B103K50
C9714	08S45676W73	GRM39B103K50
C9715	08S45676W73	GRM39B103K50
C9716	08S45676W73	GRM39B103K50
C9717	08S45676W73	GRM39B103K50
C9721	08S45676W73	GRM39B103K50
C9723	08S45676W73	GRM39B103K50
C9725	08S45676W73	GRM39B103K50
C9727	08S45676W73	GRM39B103K50
C9729	08S45676W73	GRM39B103K50
C9731	08S45676W73	GRM39B103K50
C9733	08S45676W73	GRM39B103K50
C9735	08S45676W73	GRM39B103K50
C9737	08S45676W73	GRM39B103K50
C9746	08T35688Y01	GRM422X5R106K16
C9747	08T35688Y01	GRM422X5R106K16
C9750	08S60102F48	GRM42-6B105K25
C9751	08S45676W80	GRM39B223K25
C9753	08S45677W10	GRM39CH080D50
C9756	08S45677W36	GRM39CH101J50
C9770	08S45676W80	GRM39B223K25
C9780	08S45676W80	GRM39B223K25
C9781	08S45676W73	GRM39B103K50
C9790	08S45676W80	GRM39B223K25
C9800	08S45676W80	GRM39B223K25
C9801	08S45676W80	GRM39B223K25
C9802	08S45676W80	GRM39B223K25
C9803	08S45676W80	GRM39B223K25
C9812	08S45676W85	GRM39B104K16
C9815	08S45676W85	GRM39B104K16
C9816	08S45676W85	GRM39B104K16
C9817	08S45677W24	GRM39CH330J50
C9818	08S45677W36	GRM39CH101J50
C9819	08S45677W24	GRM39CH330J50
C9820	08S45676W85	GRM39B104K16
C9821	08S45676W85	GRM39B104K16
C9822	08S45676W85	GRM39B104K16
C9823	08S45676W85	GRM39B104K16
C9824	08S45676W85	GRM39B104K16
C9825	08S45676W85	GRM39B104K16
C9826	08S45676W93	GRM39B224K10

Symbol No.	Part No.	Description
C9827	08S45676W85	GRM39B104K16
C9828	08S45677W34	GRM39CH820J50
C9831	08T35688Y01	GRM422X5R106K16
C9832	08S45676W80	GRM39B223K25
C9833	08S45676W80	GRM39B223K25
C9834	08T35688Y01	GRM422X5R106K16
C9835	08T35688Y01	GRM422X5R106K16
C9836	08S45676W80	GRM39B223K25
C9837	08S45676W80	GRM39B223K25
C9838	08T35688Y01	GRM422X5R106K16
C9840	08S45676W80	GRM39B223K25
C9841	08S45676W85	GRM39B104K16
C9842	08S45677W54	ECUV1H561JCV
C9851	08S45677W60	ECUV1H102JCV
C9852	08S45677W36	GRM39CH101J50
C9853	08S45677W44	GRM39CH221J50
C9854	08S45677W48	GRM39CH331J50
C9857	08S45676W85	GRM39B104K16
C9858	08S45676W85	GRM39B104K16
C9861	08S45677W14	GRM39CH120J50
C9862	08S45677W14	GRM39CH120J50
C9863	08S45677W60	ECUV1H102JCV
C9878	08T81833F11	GRM42-6B225K16
C9879	08S45676W80	GRM39B223K25
C9882	08S45676W73	GRM39B103K50
C9885	08T35688Y01	GRM422X5R106K16
C9886	08T35688Y01	GRM422X5R106K16
C9887	08T35688Y01	GRM422X5R106K16
C9888	08S45677W54	ECUV1H561JCV
C9889	08S45677W54	ECUV1H561JCV
C9893	08S45676W80	GRM39B223K25
C9894	08S60102F48	GRM42-6B105K25
C9895	08S45676W80	GRM39B223K25
C9896	08T81833F11	GRM42-6B225K16
C9898	08S60102F48	GRM42-6B105K25
E8890	23T25615Y14	UZT1A101MCR1GB
E8891	23T25615Y14	UZT1A101MCR1GB
E9700	23T15765Y60	F951C107MGC
E9701	23T15765Y93	F951E336MGC
E9751	23T15765Y88	F951E106MECA02
E9761	23T15765Y88	F951E106MECA02
E9800	23T15765Y60	F951C107MGC
E9840	23T15765Y52	F951V105MSAA02
Resistors		
R8881	06S70072F05	MCR18EZHJ100
R8891	06S15593Y70	MCR03EZHF7501

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Symbol No.	Part No.	Description
R8892	06S15593Y59	MCR03EZHF2701
R8894	06S70072F51	MCR18EZHJ821
R8895	06S70072F51	MCR18EZHJ821
R9701	06S35083Y03	MCR18EZHF15R0
R9704	06S45674W57	MCR03EZHJ102
R9705	06S15593Y75	MCR03EZHF1202
R9709	06S45674W33	MCR03EZHJ101
R9710	06S45674W33	MCR03EZHJ101
R9711	06S45674W33	MCR03EZHJ101
R9713	06S15593Y22	MCR03EZHF75R0
R9715	06S15593Y22	MCR03EZHF75R0
R9717	06S15593Y22	MCR03EZHF75R0
R9721	06S15593Y76	MCR03EZHF1302
R9722	06S15593Y80	MCR03EZHF2002
R9723	06S45674W90	MCR03EZHJ243
R9724	06S45674W92	MCR03EZHJ303
R9725	06S45674W81	MCR03EZHJ103
R9726	06S15593Y81	MCR03EZHF2202
R9727	06S45674W85	MCR03EZHJ153
R9728	06S45674W90	MCR03EZHJ243
R9729	06S45674W85	MCR03EZHJ153
R9730	06S45674W90	MCR03EZHJ243
R9731	06S15593Y76	MCR03EZHF1302
R9732	06S15593Y80	MCR03EZHF2002
R9733	06S15593Y81	MCR03EZHF2202
R9734	06S15593Y84	MCR03EZHF3002
R9735	06S15593Y75	MCR03EZHF1202
R9736	06S45674W85	MCR03EZHJ153
R9737	06S15593Y81	MCR03EZHF2202
R9738	06S15593Y84	MCR03EZHF3002
R9742	06S15593Y49	MCR03EZHF1001
R9743	06T25178Y95	MCR18EZHF4701
R9746	06S15593Y51	MCR03EZHF1201
R9747	06S15593Y35	MCR03EZHF2700
R9751	06S15593Y87	MCR03EZHF3902
R9752	06S15593Y87	MCR03EZHF3902
R9754	06S15593Y65	MCR03EZHF4701
R9755	06S45674W57	MCR03EZHJ102
R9756	06S15593Y80	MCR03EZHF2002
R9757	06S15593Y73	MCR03EZHF1002
R9758	06S45674W57	MCR03EZHJ102
R9759	06S15593Y51	MCR03EZHF1201
R9761	06S70072F05	MCR18EZHJ100
R9762	06S70072F05	MCR18EZHJ100
R9763	06S45674W78	MCR03EZHJ752
R9764	06S45674W78	MCR03EZHJ752
R9765	06S45674W57	MCR03EZHJ102
R9766	06S45674W92	MCR03EZHJ303
R9771	06S70072F29	MCR18EZHJ101

Symbol No.	Part No.	Description
R9772	06S70072F29	MCR18EZHJ101
R9781	06S15593Y49	MCR03EZHF1001
R9790	06S45674W33	MCR03EZHJ101
R9802	06S45675W43	MCR03EZHJ000
R9805	06S45675W43	MCR03EZHJ000
R9814	06S45674W33	MCR03EZHJ101
R9820	06S15594Y22	MCR03EZHF1004
R9822	06S15594Y06	MCR03EZHF2203
R9824	06S45675W43	MCR03EZHJ000
R9829	06S45674W33	MCR03EZHJ101
R9841	06S15593Y93	MCR03EZHF6802
R9842	06S15594Y22	MCR03EZHF1004
R9844	06S15593Y93	MCR03EZHF6802
R9845	06S15593Y67	MCR03EZHF5601
R9846	06S15593Y82	MCR03EZHF2402
R9847	06S15593Y89	MCR03EZHF4702
R9848	06S15593Y62	MCR03EZHF3601
R9851	06S15593Y79	MCR03EZHF1802
R9852	06S15593Y59	MCR03EZHF2701
R9853	06S15593Y61	MCR03EZHF3301
R9854	06S45674W33	MCR03EZHJ101
R9855	06S15593Y37	MCR03EZHF3300
R9856	06S15593Y67	MCR03EZHF5601
R9857	06S15593Y71	MCR03EZHF8201
R9861	06S15593Y39	MCR03EZHF3900
R9862	06S15594Y16	MCR03EZHF5603
R9863	06S15594Y16	MCR03EZHF5603
R9878	06S15593Y21	MCR03EZHF68R0
R9891	06S15593Y79	MCR03EZHF1802
R9892	06S15593Y85	MCR03EZHF3302
R9894	06S15593Y73	MCR03EZHF1002
R9896	06S15593Y65	MCR03EZHF4701
RA9801	06S45591W09	EXBV8V561JV
RA9814	06S45591W07	EXBV8V101JV
RA9829	06S45591W07	EXBV8V101JV
VR9723	18T25572Y13	RH03ADC14X
VR9725	18T25572Y13	RH03ADC14X
VR9727	18T25572Y13	RH03ADC14X
VR9729	18T25572Y13	RH03ADC14X
VR9735	18T25572Y13	RH03ADC14X
VR9765	18T25572Y13	RH03ADC14X
VR9800	18T25572Y19	RH03ADC15X
VR9856	18T25572Y09	RH03ADCJ3X

Connectors

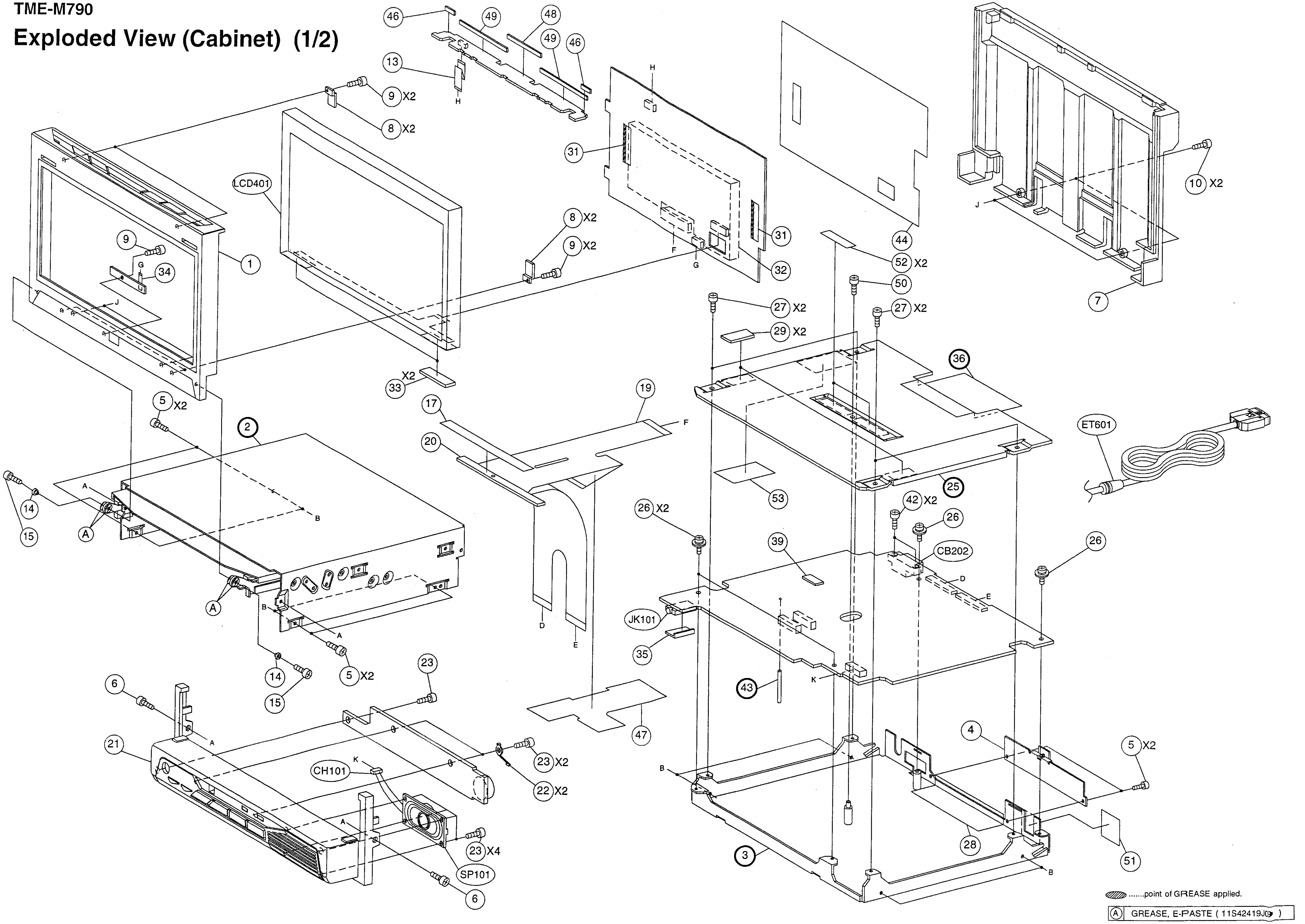
CB5700	09T25256Y13	SFV13R-1STE1
CB5720	09T25261Y04	SFW4R-1STE1

Symbol No.	Part No.	Description
CB8899	09T85214W05	SM37D1BRBHK1TB
CB9700	09T25442Y50	SFVH50R-1STE1
CB9800	09T25256Y32	SFV32R-1STE1
TOP P. W. Board		
Transistors		
Q5701	48T25136Y14	TR, UN911HJ-TX -CP
Q5702	48T25137Y01	TR, UN9211J-TX -CP
Q5703	48T25137Y01	TR, UN9211J-TX -CP
Q5704	48T25137Y01	TR, UN9211J-TX -CP
Q5705	48T25137Y01	TR, UN9211J-TX -CP
Q5706	48T25137Y01	TR, UN9211J-TX -CP
LED's		
LD5701	48T25534Y01	LED, GRN BG1111C -CP
LD5702	48T25534Y01	LED, GRN BG1111C -CP
LD5703	48T25534Y01	LED, GRN BG1111C -CP
LD5704	48T25534Y01	LED, GRN BG1111C -CP
LD5705	48T25534Y01	LED, GRN BG1111C -CP
LD5706	48T25534Y01	LED, GRN BG1111C -CP
LD5707	48T25534Y07	LED, BLU DB1111C -CP
LD5708	48T25534Y07	LED, BLU DB1111C -CP
LD5709	48T35543Y01	LED, BLU DB1113F -CP
LD5710	48T35543Y01	LED, BLU DB1113F -CP
Switches		
SW5701	40T45074W04	SW, TACT SKQGAC -E2 (▼)
SW5702	40T45074W04	SW, TACT SKQGAC -E2 (▲)
SW5703	40T45074W04	SW, TACT SKQGAC -E2 (OPEN/CLOSE)
SW5704	40T45074W04	SW, TACT SKQGAC -E2 (◁)
SW5705	40T45074W04	SW, TACT SKQGAC -E2 (▷)
Capacitors		
C5700	08S60102F48	CAP, CER 105K-B1E -CP
C5701	08S45677W42	CAP, CER. 181J-CH1H-CP
C5702	08S45677W42	CAP, CER. 181J-CH1H-CP
C5703	08S45677W42	CAP, CER. 181J-CH1H-CP
C5704	08S45677W42	CAP, CER. 181J-CH1H-CP
C5705	08S45677W42	CAP, CER. 181J-CH1H-CP
C5706	08S45677W42	CAP, CER. 181J-CH1H-CP
C5707	08S45677W42	CAP, CER. 181J-CH1H-CP
C5708	08S45677W42	CAP, CER. 181J-CH1H-CP
C5709	08S45677W42	CAP, CER. 181J-CH1H-CP
C5710	08S45677W42	CAP, CER. 181J-CH1H-CP
Resistors		
R5701	06S15593Y35	RES, RK 271F 1/10 -CP
R5702	06S15593Y35	RES, RK 271F 1/10 -CP
R5703	06S15593Y49	RES, RK 102F 1/10 -CP
R5704	06S15593Y49	RES, RK 102F 1/10 -CP
R5705	06S15593Y49	RES, RK 102F 1/10 -CP
R5706	06S15593Y49	RES, RK 102F 1/10 -CP
Connector		
CH5700	09T15153Y13	FFC, FH12-13S -E7
ESC P. W. Board		
IC's		
IC5740	51T25419Y01	RS-181 -NE6
IC5741	51T35123Y01	TC7W14FK-TE85L -CP
Transistors		
Q5737	48T25137Y01	TR, UN9211J-TX -CP
Q5738	48T25137Y01	TR, UN9211J-TX -CP
Q5739	48T25137Y01	TR, UN9211J-TX -CP
Diode		
D5740	48T15707Y01	DIO, MA133-TX -CP
LED's		
LD5730	48T25534Y07	LED, BLU DB1111C -CP
LD5731	48T25534Y07	LED, BLU DB1111C -CP
LD5733	48T25662Y01	LED, GRN HBG1105W -CP
LD5734	48T25662Y01	LED, GRN HBG1105W -CP
LD5735	48T25662Y01	LED, GRN HBG1105W -CP

Symbol No.	Part No.	Description
LD5736	48T25662Y01	LED, GRN HBG1105W -CP
LD5737	48T25534Y02	LED, RED BR1111C -CP
LD5738	48T25534Y02	LED, RED BR1111C -CP
LD5739	48T25534Y02	LED, RED BR1111C -CP
Switches		
SW5731	40T55656W06	SW, TACT SKQMAJ001-E2 (PWR)
SW5732	40T55656W06	SW, TACT SKQMAJ001-E2 (SET UP/DISP)
SW5733	40T55656W06	SW, TACT SKQMAJ001-E2 (VOL DOWN)
SW5734	40T55656W06	SW, TACT SKQMAJ001-E2 (VOL UP)
SW5735	40T55656W06	SW, TACT SKQMAJ001-E2 (V. SEL)
SW5736	40T55656W06	SW, TACT SKQMAJ001-E2 (AUX)
SW5737	40T55656W06	SW, TACT SKQMAJ001-E2 (RESET)
Buzzer		
BZ5731	50T15447Y01	BUZZER, PKM13EPY-4002
Capacitors		
C5730	08S45677W42	CAP, CER. 181J-CH1H-CP
C5731	08S45677W42	CAP, CER. 181J-CH1H-CP
C5733	08S45677W42	CAP, CER. 181J-CH1H-CP
C5734	08S45677W42	CAP, CER. 181J-CH1H-CP
C5735	08S45677W42	CAP, CER. 181J-CH1H-CP
C5736	08S45677W42	CAP, CER. 181J-CH1H-CP
C5737	08S45677W42	CAP, CER. 181J-CH1H-CP
C5738	08S45677W42	CAP, CER. 181J-CH1H-CP
C5739	08S45677W42	CAP, CER. 181J-CH1H-CP
C5740	08T35688Y01	CAP, CER 106KX5R1C-CP
C5741	08S45676W80	CAP, CER 223K-B1E -CP
C5743	08S60102F48	CAP, CER 105K-B1E -CP
Resistors		
R5731	06S45674W81	RES, RK 103J 1/10 -CP
R5732	06S35083Y20	RES, RK 391F 1/4 -CP
R5733	06S15593Y42	RES, RK 511F 1/10 -CP
R5734	06S35083Y33	RES, RK 472F 1/4 -CP
R5735	06S45348Y08	RES, RK 432F 1/4 -CP
R5736	06S45348Y08	RES, RK 432F 1/4 -CP
R5737	06S15593Y40	RES, RK 431F 1/10 -CP
R5740	06S45674W25	RES, RK 47RJ 1/10 -CP
R5741	06S45674W33	RES, RK 101J 1/10 -CP
R5742	06S45674W33	RES, RK 101J 1/10 -CP
Connector		
CH5730	09T35117Y16	BTB, IMSA9850S-16B -B
FNC P. W. Board		
IC's		
IC5720	51T25419Y01	RS-181 -NE6
IC5721	51T35123Y01	TC7W14FK-TE85L -CP
IC5726	51T35092Y01	PNA4603H00LB -IB
Diode		
D5720	48T15707Y01	DIO, MA133-TX -CP
Capacitors		
C5721	08S45676W80	CAP, CER 223K-B1E -CP
C5725	08S60102F48	CAP, CER 105K-B1E -CP
C5726	08S45677W60	CAP, CER 102J-CH1H-CP
C5729	08T35688Y01	CAP, CER 106KX5R1C-CP
E5720	23T15765Y19	CAP, TAN 10R-1C-V -E1
Resistors		
R5720	06S45674W25	RES, RK 47RJ 1/10 -CP
R5721	06S45674W33	RES, RK 101J 1/10 -CP
R5722	06S45674W33	RES, RK 101J 1/10 -CP
R5726	06S45674W33	RES, RK 101J 1/10 -CP
R5727	06S45674W33	RES, RK 101J 1/10 -CP
Miscellaneous		
CB202	09T13515W10	5569-10A1
CH101	01T45044Y01	WIRE SPEAKER
JK101	09E31422S01	HSJ1594-010140 (AUX IN)
LCD401	01T35665Y01	LCD, LQ070T5GG01
M5904	44A22059Y01	GEAR, L-MOTOR ASSY (7V-370mA)
M5905	44A22060Y01	GEAR, T-MOTOR ASSY (7V-370mA)
M5906	44A22060Y01	GEAR, T-MOTOR ASSY (7V-370mA)
SP101	50T35722Y01	SPEAKER, S20E35A01-2

TME-M790

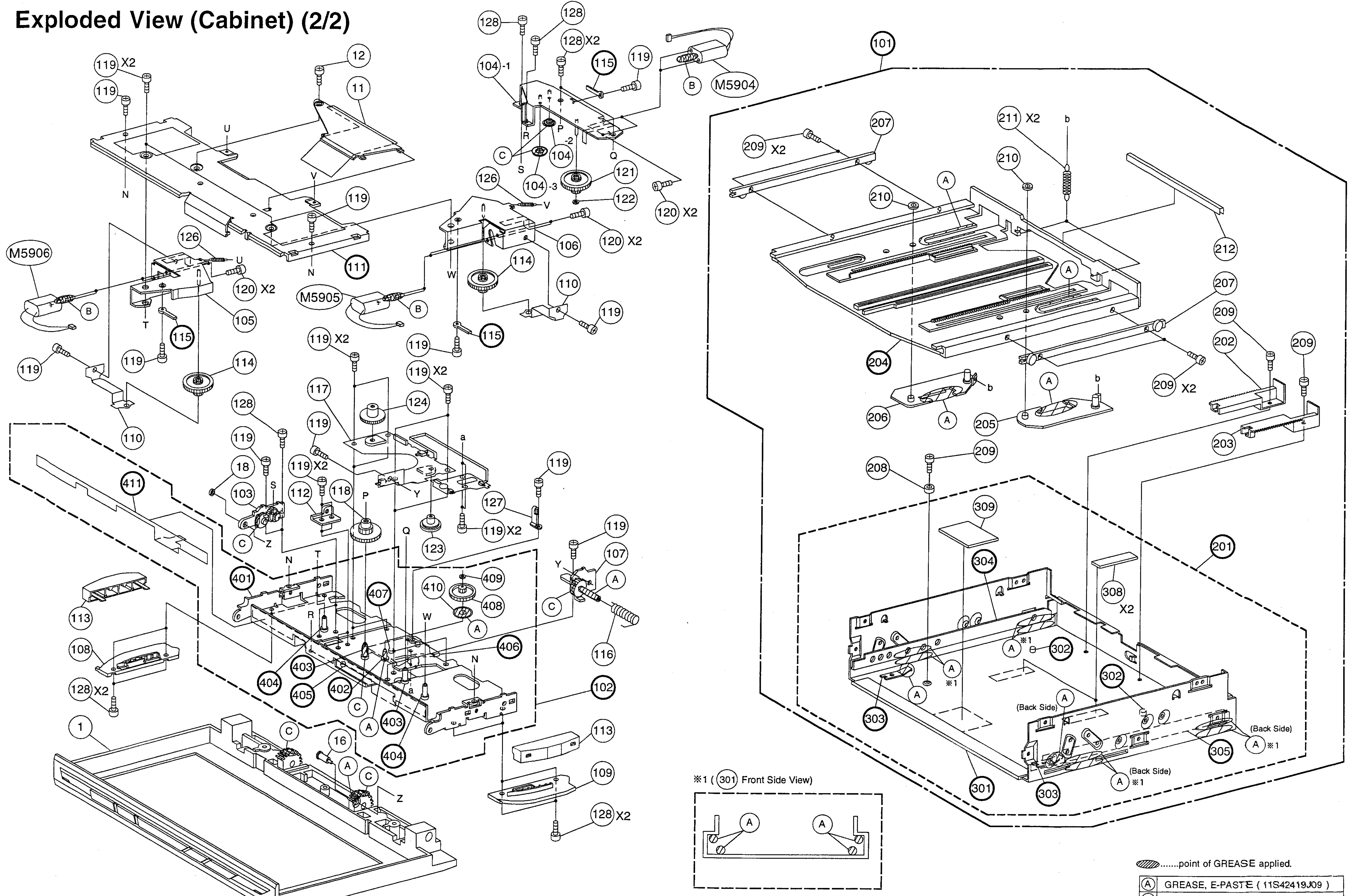
Exploded View (Cabinet) (1/2)


46
49
48
49
46
13
H
9 X2
8 X2
H
31
31
32
F
G
44
52 X2
10 X2
J
7
LCD401
8 X2
9 X2
9
G
34
1
J
33 X2
50
27 X2
27 X2
29 X2
36
5 X2
2
17
19
F
20
25
53
ET601
A
B
14
15
A
A
B
A
D
E
26 X2
42 X2
26
26
39
CB202
D
E
JK101
35
K
43
14
15
5 X2
23
6
21
A
K
CH101
23 X2
22 X2
A
23 X4
SP101
6
47
4
5 X2
B
28
3
51
B

▨ ....point of GREASE applied.

Ⓐ	GREASE, E-PASTE (11S42419J09)

Exploded View (Cabinet) (2/2)


119 X2
119
12
11
U
N
V
119
111
N
M5906
126
U
120 X2
105
B
T
115
119
119
114
110
128
104-1
128
128 X2
115
119
M5904
B
R
P
-2
C
S
104
104-3
Q
121
122
120 X2
126
V
106
120 X2
M5905
B
W
114
110
119
115
119 X2
119
119 X2
117
124
119
128
119
18
103
S
119 X2
112
118
P
Y
a
119
127
119 X2
123
119
107
Y
A
C
116
C
Z
411
401
N
T
Q
407
410
409
408
A
R
W
406
403
404
405
402
C
A
403
a
N
404
102
113
108
128 X2
1
C
16
A
C
Z
113
109
128 X2
※1 (301 Front Side View)
A
A
101
209 X2
207
211 X2
b
210
A
210
212
A
207
209
204
202
209
209 X2
206
b
A
A
b
205
203
208
209
309
201
304
308
X2
A
※1
302
A
※1
A
302
303
(Back Side)
A
(Back Side)
A ※1
305
301
303
(Back Side)
A ※1

▨.......point of GREASE applied.

A	GREASE, E-PASTE (11S42419J09)
B	GREASE, SILICON (11S490487)
C	GREASE, G-PASTE (11S42419J19)

Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
1		13D31811Y02	NOSE,MONITOR ASSY
4		07A31718Y01	BKT,REAR 720
5		03S44205G29	SCR,T-TITE M2.6X6
6		03S94385F09	SCR,NYLOK M2X3 P2
7		13D31952Y02	NOSE,BOTTOM
8		07A32028Y01	BKT,LCD
9		03S70494F16	SCR,P-TITE M2X4 BLK
10		03S70494F57	SCR,P-TITE M2X5 BLK
11		15B31928Y01	COVER,FPC MAIN
12		03S94385F24	SCREW,NYLOK
13		30T25132Y15	FFC,SML2CD-13X38-P.5
14		43A30682Y01	BUSH,NOSE
15		03S94385F89	SCR,NYLOCK M2X5.5
16		46A40344Y01	STUD,DISP
17		14S31545Y09	INS,SHIELD
18		04B41345P19	WASHER,LOCK
19		84T35509Y01	PANEL,FPC MAIN T720
20		14A40036Y01	INS,FPC MAIN
21		13C31822Y02	NOSE,BASE ASSY
22		41A30434Y01	SPRING,GND(L)
23		03S68555F03	SCR,WAVE ,M2X8
26		03E31427S01	SCREW,LX-HZ0049ADG1
27		03E31428S01	SCREW,LX-HZ0050ADG1
28		14A30215Y01	INSULATOR
29		75A40503Y01	CUSHION
31		07T35194Y02	BKT,97-550-02-10
32		26B32029Y01	SHIELD,CASE DISP
33		75S21219Y89	CUS,RUB 35X3
34		84T45001Y01	PANEL,FPC FNC T720J
35		75S21219Y98	CUSHION
39		26E31429S01	SHEET,ZTAPZ0057ADG1
42		03E30487S01	SCREW,LX-HZ0025ADG1
44		14E31390S01	SHEET,ZTAPZ0055ADG1
46		75S21219Y94	CUS,RUB 17X2XT4
47		14A40849Y01	INS,FPC COVER
48		75S21219Y95	CUS,RUB 28X2XT4
49		75S21219Y96	CUS,RUB48.5X2XT4
50		03S38013W43	SCREW
51		14S30726Y50	SHEET
52		14S11351Y82	TAPE
53		14E31639S01	INSULATOR,ZTAPZ0059ADG1
103		07A31682Y01	BKT,GEAR ASSY
104		07B31689Y01	BKT,MTR TL ASSY
105		07A31694Y01	BKT,MTR(R) ASSY
106		07A31697Y01	BKT,MTR(L) ASSY
107		07A31899Y01	BKT,SPRING ASSY
108		45C31701Y01	SLIDE,TURNER(R)
109		45C31702Y01	SLIDE,TURNER(L)
110		15A31703Y01	COVER,CLUTCH
112		07A40411Y01	BKT,BEVEL
113		15B40462Y01	COVER,SIDE
114		44B90541W03	GEAR,CLUTCH ASSY
116		41A31708Y01	SPRING,MONITOR
117		01T35508Y01	ASSY,FPC MECH T720
118		44A31709Y01	GEAR,KF4
119		03S94385F78	SCR,NYLOCK M2X2
120		03S68259F23	SCR,P-LOCK M2X3
121		44B90541W05	GEAR,CLUTCH ASSY
122		04B41345P02	WASH,1.7X3.5X0.25
123		44A31711Y01	GEAR,PAN SENS
124		44A31712Y01	GEAR,TILT SENS
126		41A31716Y01	SPRING,MTR LD
127		15A40020Y01	HOLDER,FPC MECH
128		03S94385F24	SCREW,NILOCK
202		44B31651Y01	RACK,CHAS(R)
203		44B31650Y01	RACK,CHAS(L)
205		45A31653Y01	ARM LOCK(L),ASSY
206		45A31657Y01	ARM LOCK(R),ASSY
207		07A31896Y01	BKT,SIDE
208		43A31659Y01	ROLLER,CENTER
209		03S94385F78	SCR,NYLOCK M2X2
210		04B41345P22	WASH,2.6X6X0.35
211		41A31660Y01	SPRING,ARM LOCK
212		14A30575Y01	INS,COVER MID
308		75A40671Y01	CUS,COVER TOP A
309		75A40672Y01	CUS,COVER TOP B
408		44A21719Y01	GEAR,T-3
409		04B41345P14	WASH,2.1X4X0.25
410		14A40506Y01	INS,GEAR T-3

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68E31651S01
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